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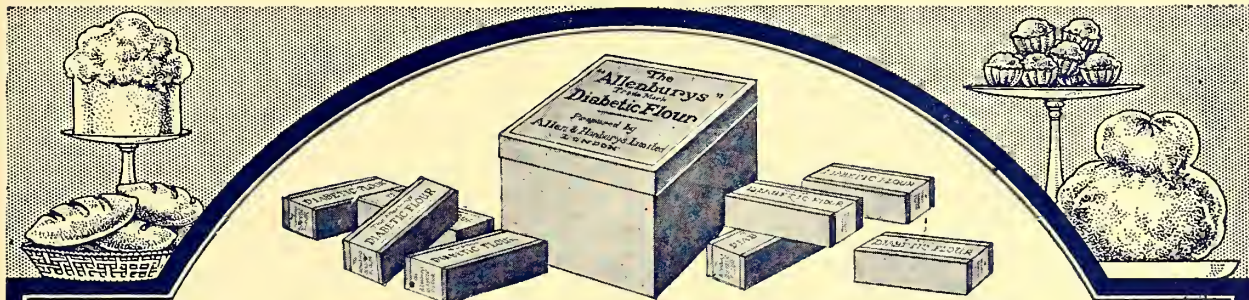
Vol. CIV.



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	Case A ..	12 dozen	12 12 0	18 0 0	5 8 0	30 %	21 0
	" B ..	6 "	6 8 0	9 0 0	2 12 0	29 %	21 4
	" C ..	3 "	3 5 6	4 10 0	1 4 6	27½ %	21 10
1/6 SIZE (P.A.T.A.)	Case D ..	18 dozen	11 7 0	16 4 0	4 17 0	30 %	12 7
	" E ..	9 "	5 15 0	8 2 0	2 7 0	29 %	12 9
	" F ..	6 "	3 18 6	5 8 0	1 9 6	27½ %	13 1

COMBINED LOTS OF 2/6 & 1/6 SIZES (P.A.T.A.)	Description of Case	Contents of Case. 2/6 Size & 1/6 Size	Costs you £ s. d.	Yields £ s. d.	Total Profit £ s. d.	Profits in % on Selling Price	Price per doz. 2/6 & 1/6 Size	
	Case G ..	6 doz. & 9 doz. ..	11 19 6	17 2 0	5 2 6	30 %	21/-	12/7
	" H ..	2 " " 6 " ..	5 19 6	8 8 0	2 8 6	29 %	21/4	12/9
	" K ..	1 " " 4 " ..	3 14 0	5 2 0	1 8 0	27½ %	21/10	13/1
	" L ..	8 " " 5 " ..	11 11 0	16 10 0	4 19 0	30 %	21/-	12/7
	" M ..	4 " " 3 " ..	6 3 6	8 14 0	2 10 6	29 %	21/4	12/9
	" N ..	2 " " 2 " ..	3 9 6	4 16 0	1 6 6	27½ %	21/10	13/1
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Millions of potential customers will read the weekly series of articles that Miss Gladys Cooper is contributing to the *Daily Mirror* on Beauty, and a display to link up with this enormous publicity is bound to bring you your share of the business.

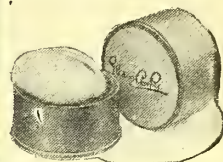
TRADE DISCOUNT
33 $\frac{1}{3}$ %

Write for complete Price List and details of bonus offers available.

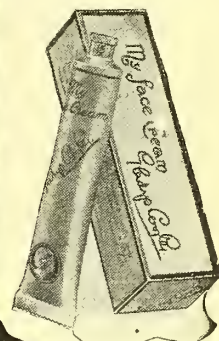
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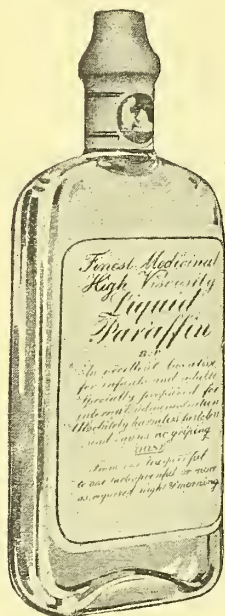


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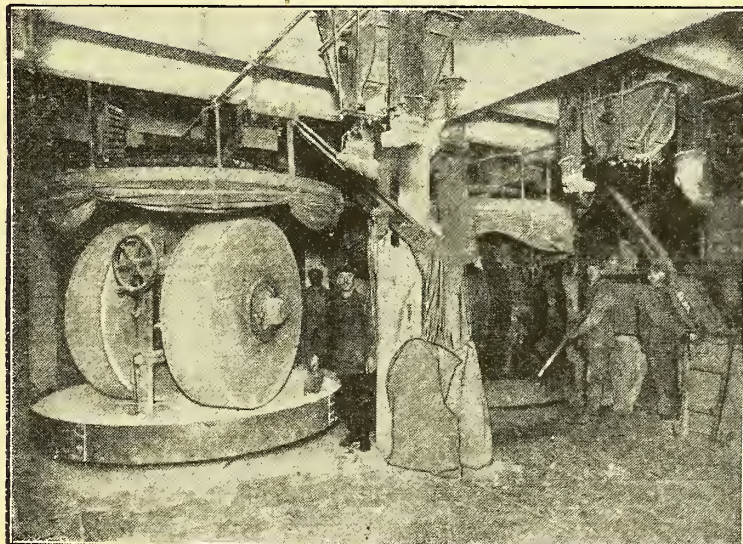
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AND SUNDRIES

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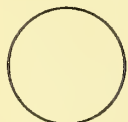
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"Specialty"

• 890

Pure Liquid Paraffin B.P.

Gives Satisfaction

Sales of Medicinal Paraffin constitute a very important item in the modern Pharmacist's turnover. Successful therapeutic results and consequent increased sales are only assured so long as the highest standard of quality is maintained.

"Specialty" Liquid Paraffin has always conformed to the highest standards, exceeding those of the British Pharmacopœia. It never varies and costs little more than cheap and unreliable oils.

There is no substitute for satisfaction and that is why discriminating chemists everywhere are buying "Specialty" Liquid Paraffin—the best procurable—which gives complete satisfaction to their customers and satisfaction to themselves.

A convenient filler is supplied free, which makes filling from "Specialty" container simple and clean. It fits both the 5 gl. and 2 gl. containers.

Send for Samples and Prices.

ANGLO-AMERICAN OIL CO. LTD.,

"SPECIALTY" DEPT.

"Sempolia" Works,

CAMDEN TOWN, LONDON, N.W.1.

Telephones:
Hampstead 4046 & 4047.

Telegrams:
"Nufinjol, Norwest-London."



D.A.

LOSALL'S SALT

SELLS FREELY AND READILY.

PAYS 50% ON OUTLAY.

An infallible remedy for

**Gout
Rheumatism
Eczema & Skin
Affections**

P.A.T.A. doz.
net
4 oz. tins 1/-, 8/-
8 oz. „ 1/9, 14/-
Bottles 2/6, 20/-
Attractive advertising
matter supplied on
application.



SOLD EVERYWHERE.

Manufactured by
LOFTHOUSE & SALTMER, Ltd.
HULL.

Sell HONEY with a TRUE HONEY FLAVOUR

Your customers will never tire of the flavour of

NEW ZEALAND
'Imperial Bee' Honey

It has the largest sale in the world and repeat orders are bound to follow.

GUARANTEED PURE and WITHOUT PRESERVATIVES, rich in the essential vitamins, because it is uncooked.

CASES per dozen, carriage paid.

48/1's	Glass Screw-top Jars	at	14/-
48/1's	" "	at	8/6
48/1's	Monopots	- -	at 12/6
48/1's	" "	- -	at 7/3

If you cannot obtain supplies through your Wholesaler, write to—

A. J. Mills & Co. Ltd. (Produce & Canned Goods Dept.), 14 Tooley St., London, S.E.1

EMPIRE PRODUCE

MAJAX

The ideal milk sugar for babies. We are having direct orders from all parts of the country. Why not participate in this business?

For terms write to Proprietors

MAWSON & PROCTOR, LTD.
NEWCASTLE-ON-TYNE.

Wessanen's Cocoa Butter No. 1

Wessanen's Edible Oils
Refined Cocoanut Oil

Sales Office:

COCOA MILLS WESSANEN,
12 Broom Lane, Broughton Park, Manchester.



TRADE MARK.

R. J. FULLWOOD & BLAND'S
WORLD RENOWNED

"Stag" Brand

"Dairy" Brand

ANNATTO

AND

RENNET

Special Annatto for Fish.
(Yellow label) **REDUCED PRICES.**

Essence of Rennet, Junket Tablets.
"OLEO" & "SUNBEAM" Butter Color.

Supplied in Bulk and Packed with Customer's Name on Label.

31-35 BEVENDEN ST., Hoxton, London, N.1. **Rennet Works, Ellesmere, Salop**



The Success of the Season

EARLY last September we expressed a hope that your sales of "Roboleine"—and consequently ours—would prove to be a record this Winter.

That hope was based on something more than optimism: it was based on that experience which has proved to us that if you advertise a good product truthfully and consistently reward will come.

Never before have the sales of "Roboleine" reached the level of 1925-1926, and the indications are that "Roboleine" is destined to be the most widely-used reconstructive food in the country.

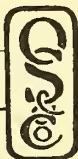
Help yourself by helping to "put them on

Roboleine"

THE FOOD THAT BUILDS THE BODY

OPPENHEIMER, SON & COMPANY LTD.
179 Queen Victoria Street, London E.C. 4.

O & S





A Bumping Straw HAT Year

—OFFICIAL

How about your Stocks of LUTON Straw Hat Dyes???

THIS is going to be a splendid year for all chemists who stock
LUTON STRAW HAT DYES! STRAW Hats are to be

'LUTON'

STRAW HAT DYES.

The outcome of 45 years' accumulated experience in the manufacture of household dyes. This series comprises all colours and is in demand practically all the year round. They are all highly efficient dyes and appeal to every woman on economical as well as fashionable grounds. Supplied in dull or glossy series.

the leading summer vogue once again. Miss Mary Mansfield, the well-known fashion expert, writes in the *Daily Mail*, March 15, 1926.—“Every authority is agreed . . . that this is a ‘STRAW YEAR.’”

'LUTON'

FABRIC DYES.
HOT WATER.

The best hot-water dyes for all materials, giving perfect results with the minimum of trouble. As with all other Whitaker products, they show a good profit.

Auroral

COLD-WATER DYES.

Just the thing for Dyeing Dance and Party Frocks.

Good trade should be done in this line now by recommending it for this purpose to your customers. Recognised as the finest cold-water dyes in the world for delicate and costly fabrics. Good results obtained even at the first trial. A certain seller.

Are you prepared for the big demand for all the new shades in Luton Straw Hat Dyes? It will pay you to go through your stock at once and order up a good supply.

VELT

THE NEW CLEANER.

A cleaning preparation for removing stains, grease, dirt, etc., from clothing, upholstery, curtains, etc., and renovating them. VELT is a non-inflammable liquid and is supplied in screw tins of which three dozens are contained in an attractive outer. A new Whitaker product, but nevertheless one which is already selling well. It is now available in 5-oz., 10-oz., and 20-oz. tins for the convenience of bigger users.

ALL CASES AND CONTAINERS FREE.

Send to-day for prices, patterns and full particulars to

WHITAKER & CO. Dye Specialists for Chemists. **KENDAL**

Telegrams: “Dullette, Kendal.”

(Established 1878.)

Telephone 214.

London Office
and Showrooms:

61 & 62 Craven House, KINGSWAY, W.C.2

Telephone:
Gerrard 1774.

Maw's Page



Selling Shaving Brushes by Name.

An article with an attractive name will invariably score over that which is nameless. Shaving brushes are no exception to the rule. Put a shaving brush with a striking name in your window and it is constantly at work impressing its name upon the mind of the casual observer, asking to be asked for. The nameless shaver is lifeless by comparison.

As the named shaving brush scores over the nameless, so will the named shaving brush of good quality and reasonable price score over that which, though named, is of inferior quality and comparatively high in price.

Maw's series of shaving brushes with distinctive, easily remembered names, provides the pharmacist with a series of brushes of indisputable quality and value. The range of patterns and fillings enables him to meet every demand for a shaving brush of reliable quality at a moderate price. In short, the series gives the pharmacist the means of increasing favourably the profits on his shaving brush sales.

Four of these shaving brushes are quoted below. Details of the remainder of the series will be found on pages 100-104 of our new general price list.

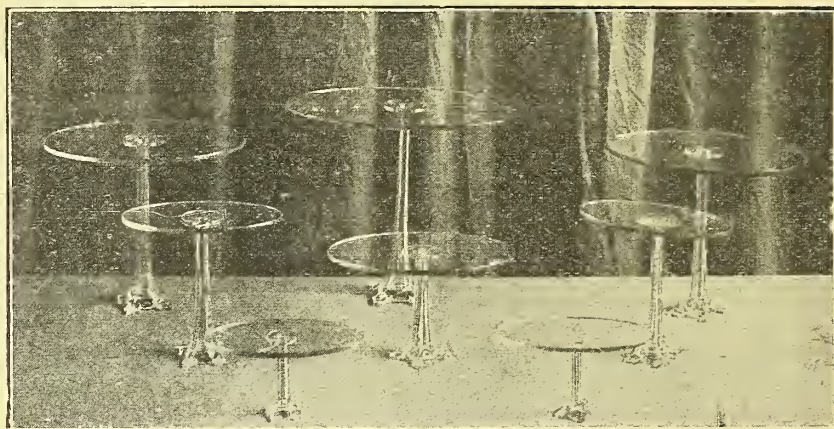
	Per Dozen.
<i>The "Guardman."</i> Bone handle with metal rim. Tall taper shape. B.M. Badger mixture filling. Large size. Approx. length overall, 4 inches. 2/1036A..	36/-
<i>The "Colonel."</i> Handle of non-splitting material. Curved taper shape. White with black base. B.M. Badger mixture filling, large size. Approx. length overall, 3½ inches. 2/1036B	45/-
<i>The "Major."</i> Handle of non-splitting material, curved taper shape, white with black base. "Pure" Badger filling, medium size. Approx. length overall, 3 inches. 2/1036C	72/-
<i>The "Captain."</i> Handle of non-splitting material, curved taper shape, white with black base. "Fine" quality Badger filling, small size. Approx. length overall, 3 inches. 2/1036D	62/-

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.



AIDS TO ATTRACTIVE DISPLAYS

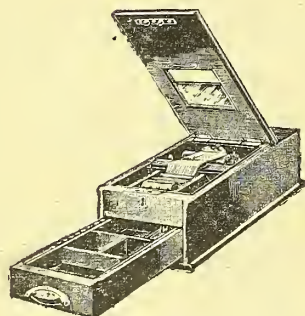
Plate
Glass
Shelves
of all
sizes
in
Stock.



A visit
to our
Show
Rooms
would be
appre-
ciated.

No. CD 2200

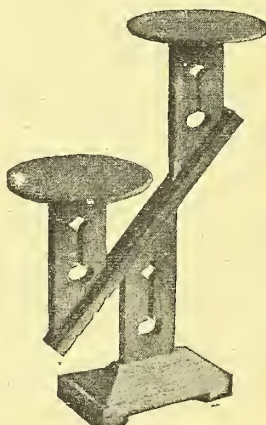
This Attractive Glass Unit comprises:—2 each 4", 8" and 10", and 1 each 6" and 12" Glass Pedestals; 2 each 8"×4", 9"×5", and 10"×6", 1 each 11"×5" and 12"×8" Plate Glass Oval Shelves 22/6



No. CD 2608

**Mahogany Finish
Cash Till.**

18" × 9" × 7½", lid fitted with lever lock and key. Recording paper 3½" wide. Sloping top. Warning bell each time drawer is opened. 30/- each complete.



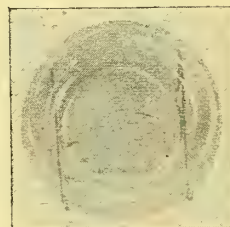
TIER STANDS

In Solid Oak.

No. CD 2254. Two Tier (as shown), 16" high × 11" deep, 9/- each.

No. CD 2255. Three Tier, 12" high × 16" deep, 12/6 each.

No. CD 2256. Four Tier, 26" high × 21" deep, 16/6 each. 6" dia. bairzed tops.



No. CD 1105

7" dia. × 2½" deep.

**Covered Glass
Bowls**

on Black Metal
folding Easel.

2/9 each complete.

Glass Bowls only,
24/- dozen.

HASKINS

ISSUED BY SAMUEL HASKINS & BROS. LTD.

SHOP FITTERS

Head Office and Works: WALTHAMSTOW, E.17

Display Fittings Department:

32/34, OLD STREET, LONDON, E.C.1

'Phone: Clerkenwell 3405/6.

Write or call for
Illustrated Catalogue
C9 to Display Fittings
Dept., 32/34, Old St.,
London, E.C.1
(Close to Goswell Road).

Orders of £2 and over carriage paid in London area; £10 and upwards carriage paid to any Station in Great Britain.

Bismuth

It is not good business to use Bismuth Salts which merely pass the B.P. tests, if it is possible to obtain better at the same price.

By buying Evans' Bismuth Salts you not only receive the finest product obtainable, but you are certain of getting uniformity in all your repeat orders.

We supply one quality only—the highest—at one scale of prices only—the lowest.

Evans

EVANS SONS LESCHER & WEBB, LTD.
LIVERPOOL New York LONDON

Schimmel & Co.

MILTITZ, near LEIPZIG.

Manufacturers of

ESSENTIAL OILS, ESSENCES & AROMATIC CHEMICALS

Speciality :
FIXORESIN

A fixing Agent for
Soap Perfumes and Extractions.

In Various Aromas.

SAMPLES ON APPLICATION.

PEPPERMINT OIL, B.P.

SAVIN OIL

PINE OIL

SAFROL

BENZALDEHYDE, F.F.C.

FLORAL OILS

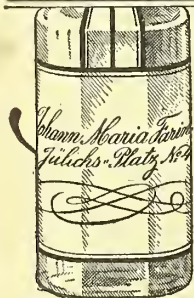
ESSENCES FOR LIQUEURS

FRUIT ESSENCES, etc.

SOLE AGENTS FOR THE U.K.

FREDK. BOEHM LTD., 15/17 Jewry St., LONDON, E.C.3

The Genuine Eau de Cologne



N^o 4
von
Johann Maria Farina
Jülich's Platz No. 4

FULL PROFIT RATES:—

Standard Full Size ..	4 oz. 7/6 at	67/6 dozen
" Half Size ..	2 oz. 4/-	36/-
" Double Size ..	8 oz. 14/6	130/6
Square Bottle ..	6 oz. 11/-	99/-
Pocket Flask (Sprinkler) ..	2 oz. 4/-	36/-
Champagne Shape—Wickered	3 oz. 6/6	58/6
¼ Litre Flask Stopped ..	8 oz. 15/-	135/-

SOLE BRITISH DISTRIBUTORS:—

FRANCIS NEWBERRY & SONS, LTD.

31/3 BANNER STREET, LONDON, E.C.1

If you are not stocking you are losing money



ANZORA has now become the recognised Hair Dressing for men, and the demand is greater than ever. Do not disappoint new customers by not stocking. Order a supply to-day and secure your share of the profits.

Anzora Cream for greasy scalps and Anzora Viola for dry scalps. Obtainable from Wholesalers, together with a free supply of window cut outs.

Trade Terms:
12/- doz. Retail at 18/-
20/- " " 30/-

ANZORA

MASTERS THE HAIR

If unable to obtain from your wholesaler write direct to:
ANZORA PERFUMERY CO., LTD., LONDON, N.W.6



I'm Common Sense
you'll find me in
'The Treasure Cave'
the story book given
free with Calvert's
Carbolic Tooth Powder



It's a Common Sense plan for stimulating sales because people *must* buy a tin before they can read about me. If you have not enough copies of the "Treasure Cave" to cover your sales of Calvert's Tooth Powder, please apply for more to:

F. C. CALVERT & CO.
P.O. Box 147, Manchester.



TRADE



MARK

We are actual distillers
of

ESSENTIAL OILS

and shall be pleased to quote
for your requirements.

BERGAMOT	PETIT GRAIN
GERANIUM	PORTUGAL
LAVENDER	ROSE, OTTO
NEROLI	ROSEMARY
PEPPERMINT	THYME
VERBENA	

ALSO

Bay, Cajuput,
Cinnamon Bark, Citronella,
Cloves, Eucalyptus, Juniper,
Lemongrass, Lemon, Lime,
Patchouli, Pennyroyal, Pine,
Santal, Sassafras,
Ylang Ylang, etc., etc.

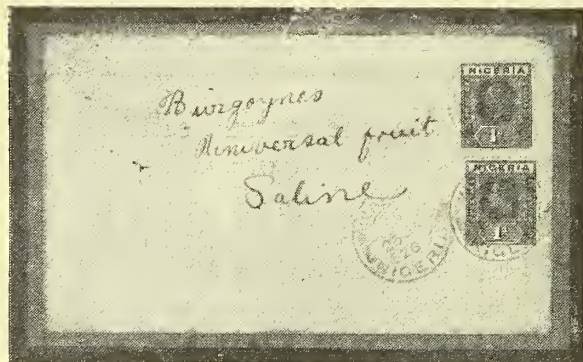
SPURWAY ET CIE, LTD.

89 Great Eastern Street,
LONDON :: :: E.C.2.

CANNES-GRASSE, RIVIERA.
PARIS.

LEIPSIC NEW YORK
KINGSTON (ONTARIO)

Telegrams - "NEROLI, LONDON,"
Telephone - BISHOPSGATE 1372.



The Popularity of BURGOYNE'S *Universal* FRUIT SALINE

A buyer in Nigeria addressed his envelope "Burgoyne's, Universal Fruit, Saline"—no town, no country—just Burgoyne's, Universal Fruit, Saline. The letter was posted on January 26 and delivered to us at East Ham without any delay.

This gives some indication of the popularity which Burgoyne's Universal Fruit Saline has attained. Indeed, there is not a country in the world where Burgoyne's Fruit Saline is not obtainable. And it is all due to its outstanding excellence

combined with its reasonable price. We suggest that you add this excellent, quick-selling line to your stock and display it on your counter and in your windows. You would be immensely pleased with the result.

Miniature bottles retailing at 6d. also supplied.

Retail price	Price to Pharmacist	Profit on Outlay
1/3	9/- per doz.	66 ² / ₃ %
2/3	15/- " "	80%

Special Bonus terms for window displays.

BURGOYNE, BURBIDGES & CO., Ltd., East Ham, London, E.6.



APRIL SHOWERS bring forth —
more customers to your pharmacy for



THE proverbial uncertainty of our climate is responsible for thousands of colds during the Spring season. There is a natural tendency to take liberties with the weather just now—and a plentiful crop of colds is the inevitable result. Many of your customers will therefore be asking for “Vapex” and recommending it to their friends. Let them know that you always have it in stock.

Show more—Sell more

Keep a display outer of “Vapex” on your counter. Use one of the attractive window bills showing “The Magic Drop” in brilliant colours. If you have not received a copy already a postcard will bring you one by return. Your customers will be glad to be reminded of this pleasant and effective remedy.

N.B.—Excluding the stamp—on which nobody makes any profit!—the profit on “Vapex” is never less than 33⅓%.

How is your stock of Vapex ?



THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

COPYRIGHT

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP	10/-	1/-
A complexion soap.		
PROLACTUM	10/-	1/-
For the lips.		
PARSIDIUM JELLY	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE BLOSSOM	22/6	2/6
A dressing cream.		
BORANIUM	22/6	2/6
A hair tonic.		
CLEMINITE	22/6	2/6
For a face lotion.		
COLLIANDUM	22/6	2/6
For a face tint.		
PERGOL	22/6	2/6
A deodorant.		
TEKKO PASTE	22/6	2/6
Camphor cream.		
STALLAX	13/6	1/6
For a shampoo.		
JETTALINE	22/6	2/6
For clearing the skin.		
PHEMINOL	31/6	3/6
A depilatory.		
MENNALINE	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX	18/-	2/-
A face cream.		
STYMOL	31/6	3/6
For oily complexions and blackheads.		
SILMERINE	22/6	2/6
Hair-curling fluid.		
BARSYDE	22/6	2/6
Dandruff eradicator.		
TAMMALITE	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM	22/6	2/6
For whitening the hands.		
COCONOIDS	31/6	3/6
For figure development.		

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES	36/-	4/-
For obesity.		
SOFT PALERIUM	58/6	6/6
For wrinkles.		
LIQUID NAIL POLISH	45/-	5/-
Brilliant and lasting.		
LIQUID NAIL POLISH	10/-	1/-

Stocked by ALL Wholesale Houses.

COLONIAL DEPÔTS AND AGENCIES.

Australia: ALL WHOLESALEERS & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.
South Africa: LENNON, Ltd., Cape Town, etc.
SIVE BROS. & KARNOVSKY, Johannesburg.
India: FRAMJEE & SON, Bombay.
 A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
South America: DEARBORN (South America) Ltd., Calle Pavon 2100, Buenos Aires.
Straits Settlements & Federated Malay States: MEDICAL HALL, Ltd., Singapore.

**An
EXTRA****2½%**

on

AMAMI

The Special Assorted
6-doz. Parcel will contain
for a short period

Two 6^d**Shampoo Tablets****FREE**

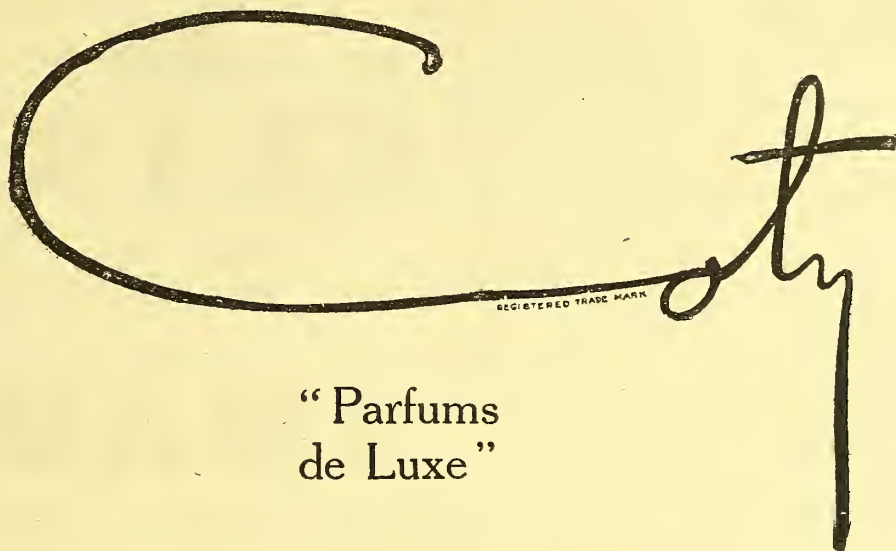
which equals 2½% extra

The Assortment is
as follows:—

30	-	SHAMPOO	No. 1
24	-	SHAMPOO	No. 5
6	-	SHAMPOO	No. 7
6	-	SHAMPOO	No. 10
2	-	SHAMPOO	No. 2
3	-	SHAMPOO	No. 8
1	-	SHAMPOO	No. 9

Through your Wholesaler
on usual conditions.

AMAMI**11 Broad St., London, W.C.2**



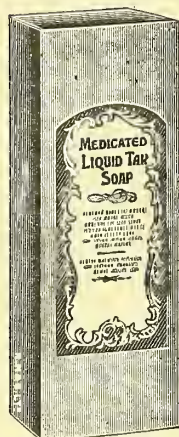
“Parfums
de Luxe”

THE leading Chemists throughout Great Britain realise that Coty Specialities are to-day the best asset in perfumery and the most ornamental lines with which to dress a window. We are assured by many Houses who are making a feature of Coty that it has helped considerably in raising the standard of their Shops, and that besides selling more Coty goods, this policy has helped to increase the sales of Perfumery in general and all toilet articles in particular.

*We invite you to write for our
illustrated Catalogue, and our
Showcards, Price Tickets, etc.*

COTY (ENGLAND) LTD.
“Parfums de Luxe”
WALMAR HOUSE, 298, REGENT STREET
LONDON, W. 1.
and Paris, New York, Montreal, Melbourne, etc.

Are you stocking our MEDICATED LIQUID TAR SOAP?



Manufactured throughout at our factory from pure selected vegetable oils. A certain cure for dandruff and scurf.

Put up in 4-oz. bottles and packed in cardboard outers, as illustration.



No. 4755 - - 10/6 Dozen

Name and Address printed free of extra charge for 6 Doz. Lots.

No. 4755

MADAME ST. CROIX SHAMPOO POWDERS

THE POPULAR SERIES



Chamomile, Chamomile and Rosemary, Pine.

No. 4747. 1 doz. on card .. 1/3 card
 „ 4747/5. 5 packets in carton, 7/3 doz. cartons
 „ 4747/7. 7 packets in carton, 8/6 doz. cartons

HENNA SHAMPOO POWDER



4618. 1 doz. on card ... 1/6 card
 4618/5. 5 packets in carton, 8/6 doz. cartons
 4618/7. 7 packets in carton, 10/6 doz. cartons

DRY SHAMPOO POWDER

No water required.



No. 4554. 1 doz. on card 18/- gross
 „ 4554/5. 5 packets in cartons 8/6 doz. cartons
 „ 4554/7. 7 packets in cartons 10/6 doz. cartons

R. HOVENDEN & SONS, Ltd.

29, 30, 31, 32 and 33 BERNERS STREET, OXFORD STREET, W.1. Tel.: Museum 2810 (3 lines).
 89, 91, 93 and 95 CITY ROAD, FINSBURY, E.C.1. Tel.: Clerkenwell 7601, 7602, 7603 (3 lines).
 Factory: 41 to 53 BRITANNIA ROW, ISLINGTON, N.1.

Vinolia

BABY SOAP

*The most soothing soap
in the world*

Babies deserve the best—so recommend Vinolia Baby Soap, which is made from the finest oils. It is neutral, therefore non-irritating, and a special emollient is added which gives the lather its unique soothing properties.

Supplied in 3 and 36-tablet boxes. Best terms profit—50% on cost. Showcards on request.



Showcard No. 165

VINOLIA CO. LTD., BLACKFRIARS, LONDON, E.C.4.
LABORATORIES, BIRKINGTON, CHESHIRE.

Buy British Goods and Make Britain Busier.



Attractively designed in Red and Gold, the Halex Case is convenient for quick serving and allows a satisfactory choice for your customers. Keep it handy on your counter.

Replenish your Stock of Halex Tooth Brushes—now !

ANOTHER big Halex advertising campaign has commenced. It is planned (as past Halex publicity has been planned) to reach not only regular tooth-brush users, but also the thousands who still don't use tooth brushes often enough.

It will emphasise the health-value of proper teeth-cleaning along with the money-value of Halex brushes. In this way Halex advertising will continue to increase the sales not only of Halex brushes in particular, but also tooth brushes in general.

Take this opportunity of replenishing your stocks of Halex tooth brushes. If you need a new display case just mention it in ordering.

Send for this Special Introductory Parcel

This famous introductory parcel is offered at a special price that brings us no immediate profit. But it pays us afterwards because, once the display material has got to work on a chemist's counter a repeat order always follows.

THE PARCEL CONTAINS

- (a) A handsome glass-fronted display case containing 12 Halex brushes (2 of each pattern).
- (b) Three dozen Halex brushes in six handy boxes—making four dozen brushes in all.
- (c) Two striking transparencies and a show-card for window display.

Introductory parcel (order from your usual wholesaler) **40/-**

Halex BRITISH MADE Tooth Brushes

THE BRITISH XYLONITE COMPANY LIMITED, HALE END, LONDON, E.4

Petroleum Jelly

White, Yellow, Amber,
& Ruby Red, for all
Pharmaceutical and
Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.

Liverpool - London - Manchester - Birmingham - Leeds

Russolax
REGISTERED TRADE MARK.

Russian Medicinal Paraffin

*Recommended by the most eminent
Surgeons and Physicians for Chronic
Intestinal Stasis (Chronic Constipation).*

OBTAINABLE AT ALL CHEMISTS
AND STORES IN 10-OZ. AND 20-OZ.
PANEL BOTTLES.

Sole Manufacturers:

Reddgrave, Butler & Co., Ltd.

Liquid Paraffin Specialists,

FOREST LANE, STRATFORD, E.15

PETROLEUM JELLY
("SALVO PETROLIA")
BRAND

THE PERFECTION OF PETROLEUM JELLY
MANUFACTURED SOLELY BY

THE DEE OIL CO. LD.
D 23 & 24 EXCHANGE BUILDINGS
LIVERPOOL

TELEPHONE -
CENTRAL 3859

TELEGRAMS -
CESTRIAN

LONDON OFFICE
49 LIME ST. EC3 PHONE AVENUE 2885

PACKED IN BARRELS, KEGS OR
SMALLER PACKAGES IF DESIRED.

OTHER GRADES OF
PETROLEUM JELLIES, WHITE BASES ETC.
WHITE OILS, B.P. & Technical Qualities
SAMPLES & PRICES ON APPLICATION

OLEUM DEELINÆ (DEE OIL)
THE UNFAILING CURE FOR ECZEMA

Telephone—VICTORIA 7533 (4 lines).

Telegrams—"Dicotto, Sowest, London."

W. B. DICK & CO., LTD.
26 Grosvenor Gardens, London, S.W.1
 Works : LONDON, LIVERPOOL, GLASGOW

PARAFFINUM LIQUIDUM B.P.

S.G.890/5. Guaranteed to remain bright at 0°C.

White and Half White Oils
B.P. White and Yellow Petroleum Jellies

QUOTATIONS & SAMPLES will be sent on application.

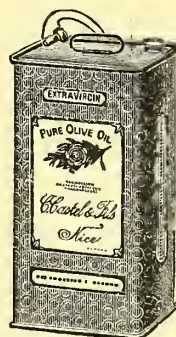
FRANCIS F. FOX & CO.
BRISTOL

LINSEED OIL
TURPENTINE
FINE OLIVE OILS
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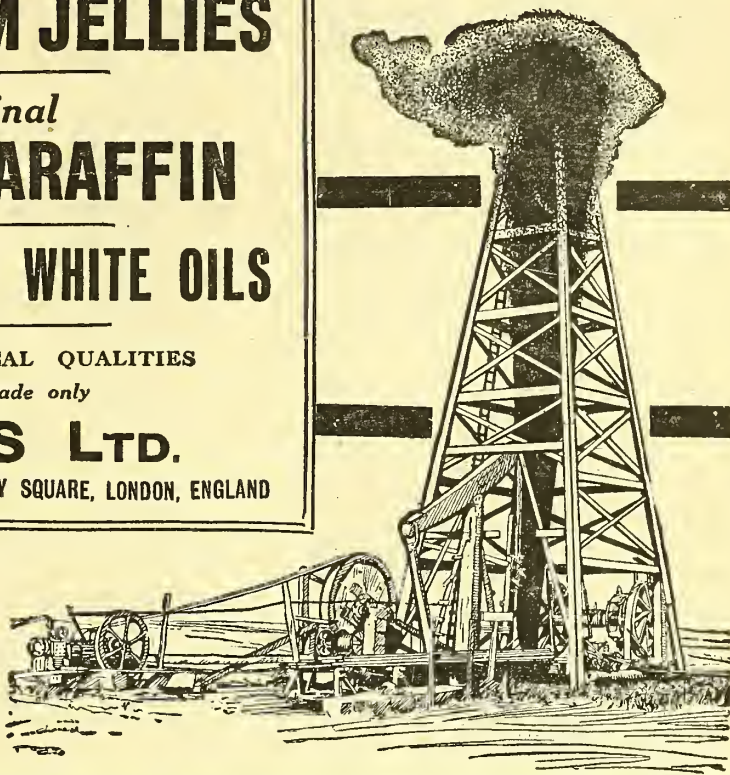
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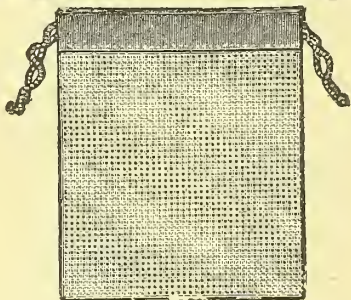
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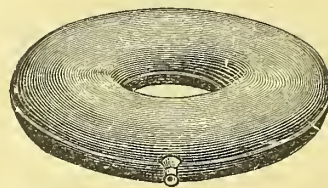


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			1	2	3	4	5	6		
1200.—	"	super quality	6 6	8 0	9 0	10 6	12 0	13 6		
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		fancy sateen								

1194.—The "Empire" circular red india-rubber Air Cushion—

D.A.	each				each				each			
	14	15	16	17	18	19	20 ins.		20 ins.			
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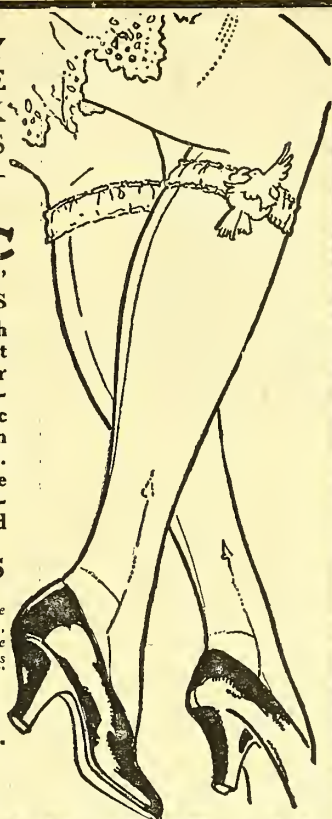
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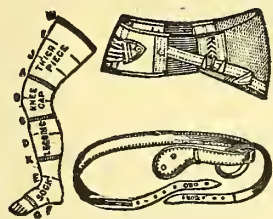
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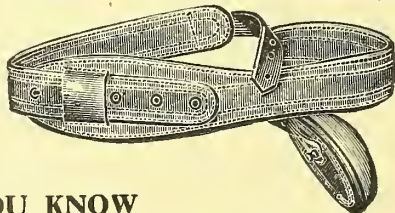
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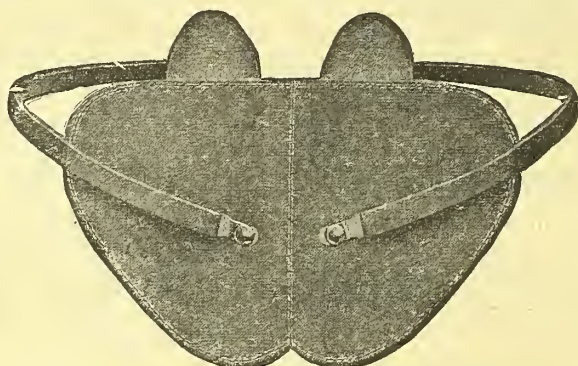
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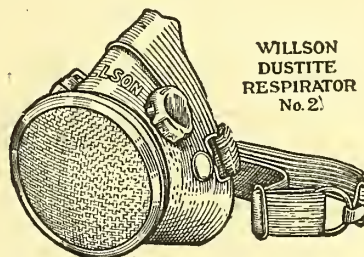


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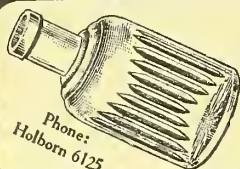
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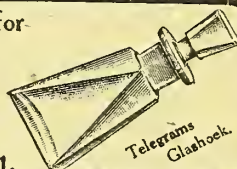
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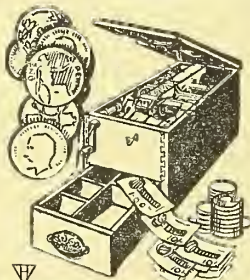
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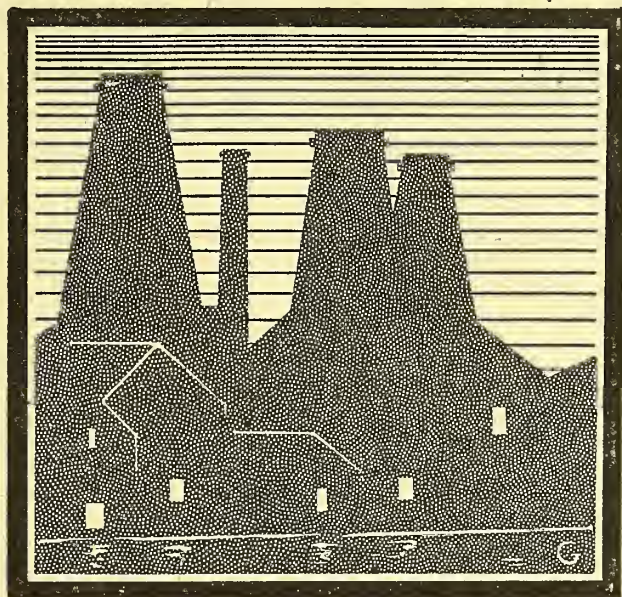


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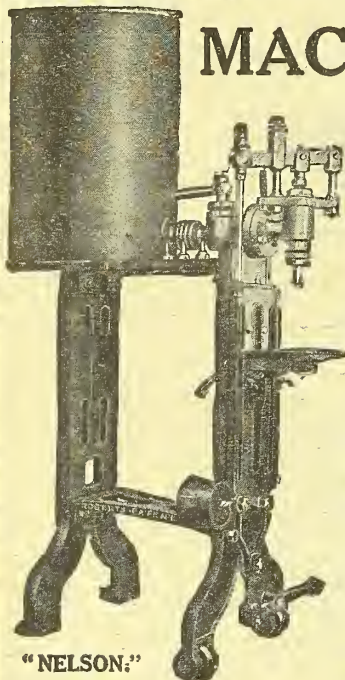
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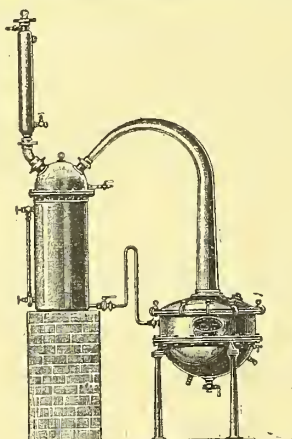
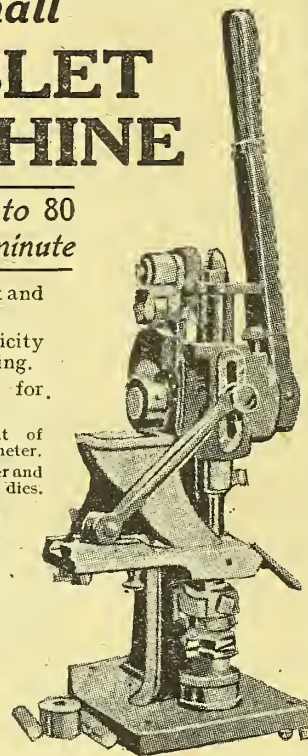
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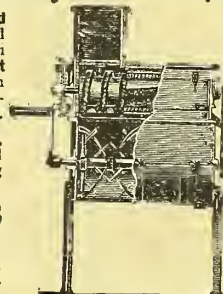
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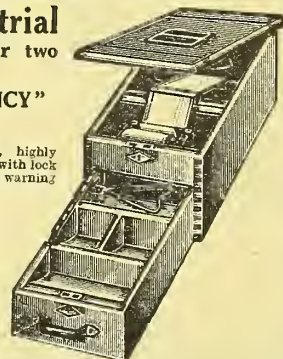
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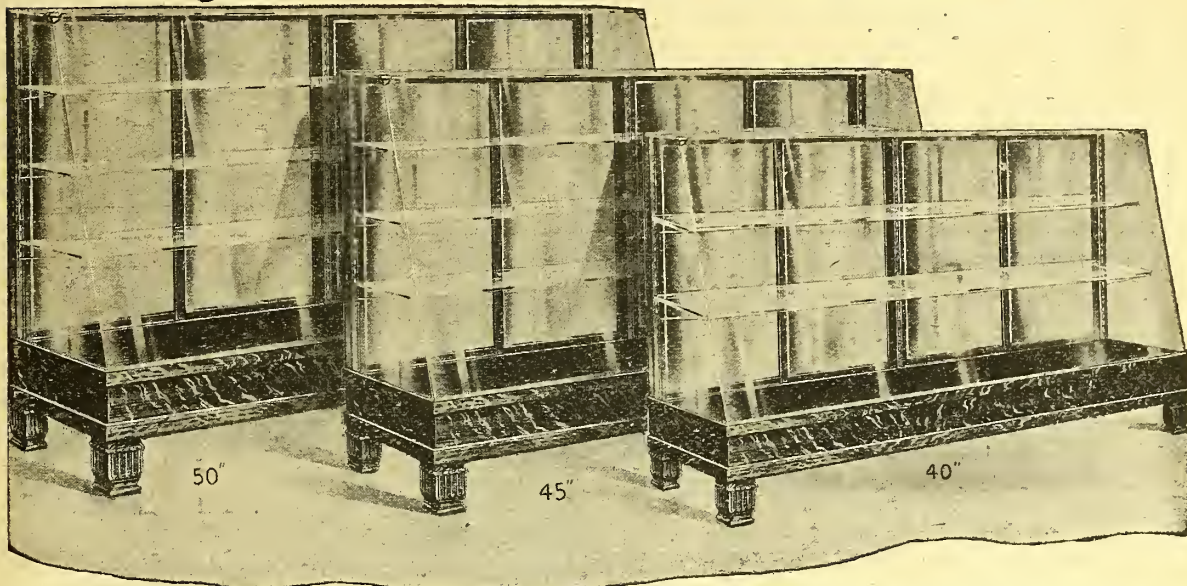
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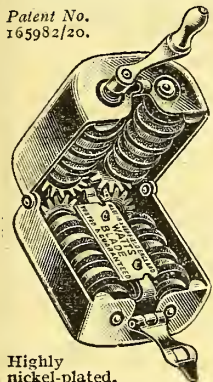
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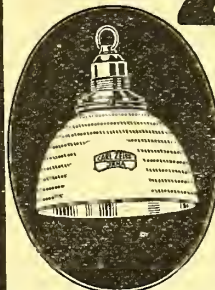
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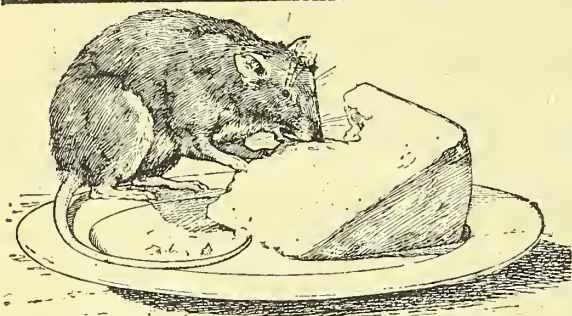
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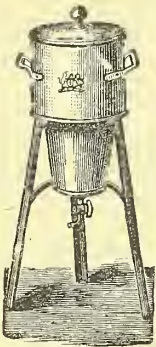
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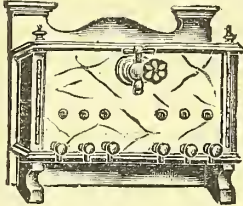
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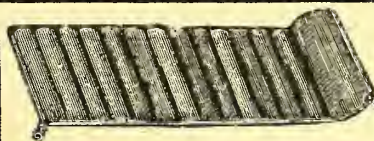
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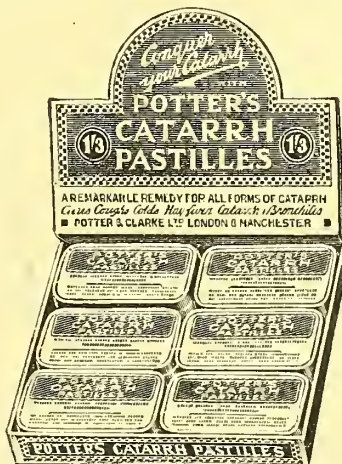
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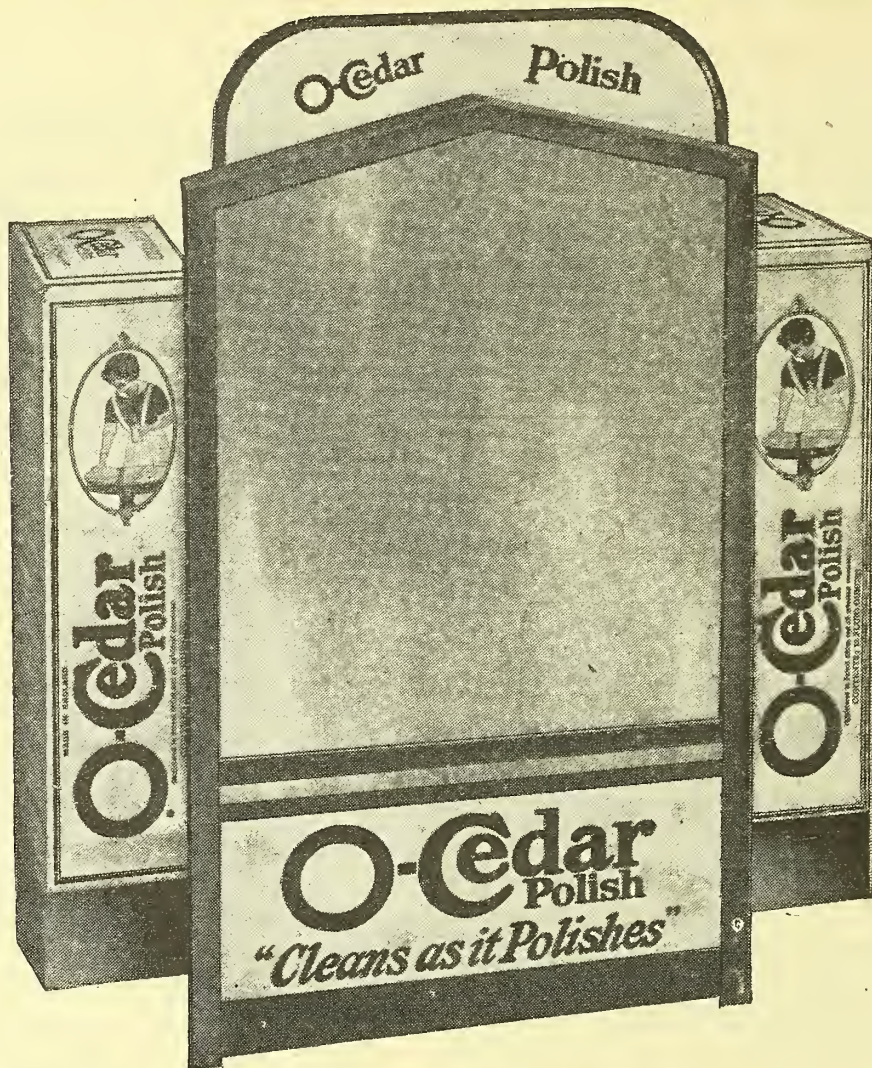
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THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

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"The Art of Dispensing"

TENTH EDITION IN PREPARATION

THE new edition (the tenth) of "The Art of Dispensing," which has been in preparation for some months, is expected to be on sale in a few weeks. The ninth edition was issued in July 1912, and has been reprinted with emendations several times since then. The new work has been subjected to a thorough revision, and several suggestions have been adopted for improving its usefulness as a text-book for students and reference book for chemists and druggists. In spite of the expense involved in producing the work, it has been found possible to retain the old selling price of 8s., by post 8s. 6d. "The Art of Dispensing" will be obtainable through most wholesale houses. Orders are being booked for the new edition, to be dispatched so soon as copies are received from the binders.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Contracts

The following tenders have been accepted by the bodies named:—

Barnstaple Guardians.—Mr. E. W. Proudman, chemist and druggist, drugs and dressings.

Boston Guardians.—Bailey & Alexander, chemists, drugs, etc.

Chelmsford Guardians.—Robert Bailey & Son, Ltd., dressings; Corbyn, Stacey & Co., Ltd., drugs.

Chester Guardians.—Mr. J. Simon, chemist and druggist, drugs.

Faversham Town Council.—Mr. E. Withers, chemist and druggist, drugs, etc.

Hemsworth Guardians.—Mr. G. E. Guest, Ackworth, drugs, etc., for six months.

Malvern Urban Council.—Mr. C. H. Derbyshire, Ph.C., drugs.

Newport (Shropshire) Guardians.—Mr. C. R. Picken, chemist and druggist, drugs.

West Bromwich Guardians.—Southall Bros. & Barclay, Ltd., drugs and sundries.

Poisonings

The following cases of fatal poisoning, among others, have been recorded since our last report:—

At an inquest held at Manchester, on April 5, on the body of Mrs. Emma Smith, Withington, aged seventy-eight, it was stated that death was accelerated by an overdose of paraldehyde. A nurse who gave evidence said that a doctor had prescribed a dose of 3ij., but that in her hurry she administered 3j. A verdict of "Death by misadventure" was given.

An inquiry held recently at Oldham concerning the death of George W. Hadyn, a night watchman at a mill, showed that he died from the effects of corrosive poisoning after drinking from what he supposed to be "a good bottle for the 'flu.'" A police-constable deposed that he found the deceased lying on the floor in the boiler room. Witness found the bottle to be an ordinary medicine bottle, and on the label were the words, "Two tablespoons of this mixture to be taken three times a day." In indelible pencil, "Caustic potash" was written across it.

An inquest held at Beeston, on March 30, on the body of Clifford E. East, aged twenty, resulted in an open verdict. Mr. W. H. Smith, chemist and druggist, stated in evidence that the youth, whom he knew as a customer, called at his shop and purchased an ounce of potassium cyanide and a small packet of plaster of Paris, signing the poison-book and explaining that he wanted it to kill moths and butterflies. In reply to the coroner, the witness said that the two ingredients would form a kind of lethal chamber when in combination in a bottle. East's father, who was another witness, said that his son had made a hobby of collecting moths.

At the Isle of Wight County Mental Hospital, on March 29, the death of Mrs. Marian Bliss, widow of a London stockbroker, was investigated by the deputy-coroner. It was stated that Mrs. Bliss was found in her room at Shanklin on March 20 in an unconscious state as the result of an overdose of potassium bromide tablets. She was removed to hospital, where she died without regaining consciousness. The assistant medical officer at the hospital said that the *post-mortem* examination revealed no trace of poison in the body, but there was a bloodless tumour on the left side of the brain. The effect of the bromide had, no doubt, added to this congestion and caused death; the one acting upon the other produced a set of circumstances which proved fatal. A verdict was returned in accordance with the medical evidence.

Other cases include a death at Wigan from accidentally drinking a solution of ammonia, which was said to have been mistaken for water from Lourdes, by Agnes Jordan, aged sixty-four.

Liverpool

On Good Friday ten members of the Liverpool Pharmacy Club enjoyed a ramble to Heswall.

Trade is very quiet, and a large number of shops and offices are to let. Complaints of the shortness of money are general; in fact, some travellers declare that Liverpool is the hardest hit of any of the big cities.

A window-show of lavender flowers with a slogan, "Who'll buy my sweet lavender?" with prices at ounce and pound rates, was a big success, and incidentally the means of selling a fair amount of lavender water.

A popular member of the drug trade, who has been driving a car for four years, has had the misfortune to have three accidents, which by a strange coincidence have all occurred in the same street, and at precisely the same spot.

The March issue of "The Ayrton Link," the house-organ of Ayrton, Saunders & Co., Ltd., not only contains a judicious blend of articles ranging from the serious to the humorous, but, through the advertisements (which are not confined to Messrs. Ayrton's preparations), forms an excellent reminder of the seasonal articles which chemists should now have in the forefront of their displays.

An old volunteer, looking at the photograph in last week's *C. & D.* (p. 480) of the handsome monument erected in the Faculty of Pharmacy, Paris, to the pharmacists of France who fell in the Great War, exclaimed, "When shall we see something similar put up by the Pharmaceutical Society at Bloomsbury Square to the memory of those British pharmacists who also died in the same cause?"

Before the end of the term in March the Part II students of the Liverpool School of Pharmacy (principal, Mr. H. Humphreys Jones, A.I.C.) paid a visit to Evans Sons Lescher & Webb's laboratories in Fleet Street. They were divided into three parties and conducted through under the direction of Messrs. Sendall (director), Manson, and Cameron. A most enjoyable and instructive time was spent, and the above gentlemen did everything possible to explain the main features of the various processes that happened to be on in the laboratories. At the close of the visit the students were entertained to a high tea at the King's Café, and a very hearty vote of thanks was passed to the directors of the company for their kindness.

Manchester

A pharmacy will shortly be opened at 181 City Road, Hulme, by Gilman's, chemists.

Mr. T. Macdonald, the popular representative of Vinolia Co., Ltd., who has been confined to his home for some weeks, is now progressing favourably, and will, it is hoped, be able soon to go away to recuperate.

On Easter Monday morning several Manchester pharmacists, who had sold out of photographic films, were scouring the district in an effort to replenish their stocks. One well-known photographic dealer had a record week-end.

During the past two or three weeks several shop windows have been smashed in Moss Side and Rusholme districts. Just before Easter the main photographic window of Mr. John Cleworth's pharmacy, Ducie Street, was maliciously broken by a brick wrapped in newspaper; the burglar then helped himself to three of the highest-priced Kodaks in the window, and no trace has been found of him or the Kodaks.

Sheffield

The Simplex Motor Works have been converted into a factory for the manufacture of Darwin safety-razor blades.

It is proposed to hold a joint outing with the Mansfield and Nottingham chemists, either to Welbeck Abbey or to Ollerton, in the Dukeries.

A "daffodil" window display in conjunction with Coty perfumes at the Broomhill branch of Eardley & Furnival, chemists, has proved attractive and remunerative.

Sheffield licensing justices, on March 30, confirmed the wine off-licence granted to Mr. H. B. Hammond, chemist and druggist, subject to each sale being made on a doctor's certificate. An application by Mr. G. T. C. Dyson, chemist and druggist, was refused. The chairman remarked that the licensing justices, next year, may possibly take the whole question of medicated wines into consideration, and possibly make some conditions in regard to their sale.

Miscellaneous

UNLAWFUL POSSESSION.—At East Ham Police Court, on April 6, Ling D. Ming, ship's fireman, was fined £5 for unlawful possession of 3½ oz. of raw opium.

THEFT OF CAMERAS.—A window at the pharmacy of Mr. J. M. Pearson, chemist and druggist, Lupus Street, London, S.W., was smashed on March 30, and three cameras were stolen.

RECOVERY AFTER TAKING LYSOL.—At Marylebone Police Court, London, on April 3, Frederick C. Forsyth, Lenks Road, S.W., pleaded "Guilty" to stealing the sum of £15 belonging to his employer, a publican, and to attempting to commit suicide by taking lysol. The house physician at Charing Cross Hospital said that the accused was unconscious, blue, and breathing with extreme difficulty when he was taken to the institution. After inhaling oxygen for twenty-five minutes he showed signs of recovery. The accused had apparently drunk about three ounces of the disinfectant. "I am surprised that he has recovered," added the witness. A sentence of two months' imprisonment in the second division was passed on the charge of theft.

COMMERCIAL TRAVELLERS' BENEFIT SOCIETY.—The twenty-fourth annual statement of accounts of the United Kingdom Commercial Travellers' Benefit Society states that the membership, on December 31, 1925, was 7,168. Subscription income increased by £3,926, to the sum of £61,326. Sickness benefit was £12,660, bringing the total amount paid out on this account since the establishment of the Society up to £137,202. During the year the sum of £113,000 was advanced to enable members to buy their own houses. Mr. H. W. Harrie (C. R. Harker, Stagg & Morgan, Ltd., manufacturing chemists, London, E.) has been elected vice-chairman of the Society for the year 1926 and chairman of the London office and finance committee for the sixth year in succession.

Coming Events

Monday, April 12

The Third Optical Convention, Imperial College of Science and Technology, Imperial Institute Road, will be held during the week. Particulars from the secretary (Mr. Thos. Martin, 1 Lowther Gardens, Exhibition Road, S.W.).

Tuesday, April 13

Pharmaceutical Society of Great Britain (East Metropolitan Branch), Y.M.C.A., 67 Woodgrange Road, Forest Gate, E7, at 8.45 p.m. Meeting to discuss matters to be brought forward at British Pharmaceutical Conference at Leicester.

Wednesday, April 14

Liverpool Chemists' Association and Branch of the Pharmaceutical Society, Adelphi Hotel, at 7.30 p.m. Annual smoking concert. Mr. F. P. Sargeant (ex-President of the Pharmaceutical Society) will deliver an address. Tickets (2s. 6d. each) from Mr. A. J. Ferriday, 157 County Road, Walton, Liverpool.

Thursday, April 15

Institute of Ophthalmic Opticians, Hotel Cecil, Strand, London, W.C., at 6.30 for 7 p.m. Annual dinner (21st anniversary). Tickets from the secretary, 20 Staple Inn Buildings, W.C.1.
Pharmaceutical Society of Great Britain (Cambridge Branch), Victoria Assembly Rooms, Market Hill, Cambridge, at 3 p.m. Meeting. Tea (2s. per person) will be served afterwards.
Pharmaceutical Society of Great Britain (West London Branch), Slater's Restaurant, 192 Oxford Street, W. Supper and whist drive. Reception by the chairman (Mr. J. P. Ellerington) at 7 p.m. for 7.30 p.m. Morning dress. Tickets free to members and associates. Visitors' tickets, 4s. 6d. each, from the secretaries.

Friday, April 16

Royal Institution of Great Britain, 21 Albemarle Street, London, W., at 9 p.m. "The Quest for Economic Plants," by Dr. A. W. Hill.

Scottish News

Brevities

The influenza epidemic continues in Glasgow.

Mr. J. Y. Torrance, chemist and druggist, Prestonkirk, has been appointed treasurer of the East Linton Bowling Club.

Scottish chemists learned with deep regret of the death of Mr. P. MacDonald, representative for Wigglesworth, Ltd., Westhoughton. Mr. F. MacDonald has been appointed to succeed his father.

Intending competitors for the Scottish Chemists' Golf Tournament, which is to be held at Gleneagles on May 12, should send in their entry fees (2s. 6d.) and handicaps to the secretary, Mr. D. Mackenzie, 554 Dumbarton Road, Partick, Glasgow.

Mr. C. S. Jolly, chemist and druggist, 87 Gray Street, Broughty Ferry, has acquired the business of Mr. D. G. S. Bruce, chemist and druggist, 65 Perth Road, Dundee. Mr. G. Bowie, chemist and druggist, who has entered into partnership with Mr. Jolly, will be in charge.

Mr. Samuel Lawrence, chemist and druggist, senior partner of Lawrence & Shepherd, chemists, Oban, has recently retired from the firm. Mr. Lawrence is well known throughout the West of Scotland. He has had a business connection with Oban of forty-four years, during nine years of which he was a town councillor and for part of that period he acted as a magistrate. Mr. J. L. Shepherd, chemist and druggist, will carry on the business under the firm name.

Aberdeen

Mr. Mitchell Ross, B.Sc., Ph.C., son of Mr. David Ross, is joining his father's business, William Paterson & Sons, manufacturing chemists.

The Governors of Robert Gordon's College, Aberdeen, have approved the necessary two years' course, commencing in the session 1927-28, in order that pharmacy students might comply with the Pharmaceutical Society's regulations, which become operative in 1929.

Edinburgh

Extract of malt is being sold in one district of Edinburgh at a profit of 6 to 8 per cent.

It is proposed to hold a Brewers', Distillers', Wine Merchants' and Allied Trades' Scottish Exhibition in the Waverley Market from May 5 to 15.

Following their recent disastrous fire (*C. & D.*, March 20, p. 398), John Mackay & Co., Ltd., manufacturing chemists, have transferred their offices and manufacture to Wheatfield Road. It is announced that the recipes of their specialities escaped destruction, and arrangements have been made by which adequate supplies of these will be immediately available.

Fife

Two deaths due to lysol poisoning are reported from Kirkcaldy.

The honey crop obtained by Fife beekeepers last year amounted to 5 tons 13½ cwt.

Motor accidents formed the subject of a letter in a recent issue of the "Edinburgh Evening News," the writer being Mr. Ivon Garcia, chemist and druggist, Lumphinnans.

Perth

Mr. Thomas Harley, chemist and druggist, Perth, has presented an oil painting, "Ben Ledi from the Mains of Callander," by J. H. Cranstoun, to the Sandeman Library.

The prizes offered by the Perthshire Pharmacists' Association for competition among the pharmacy students at Perth Academy have been awarded to: (1) Miss A. Menzies; (2) George A. Jervie; (3) Alexander A. Stewart. At the close of the winter session of the pharmacy classes, recently, Messrs. Harley, Forbes and Smail, representing the Association, briefly addressed the students, and the first-named presented the prizes.

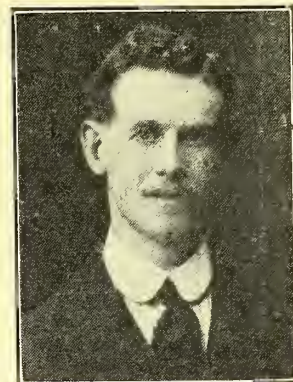
Irish News

Brevities

The Ulster Ministry of Home Affairs have written to the Londonderry Board of Guardians, stating that they will have to satisfy the auditor as to why they accepted a tender of Sumner, Ltd., for medicines at 38½ per cent. discount in preference to that of Fred. Storey, Ltd., at 39½ per cent. discount.

Speaking at a recent meeting of the County Derry Committee, Mr. J. E. O'Neill, J.P., M.P.S.N.I., Maghera, said he had thought for a great many years that there were great possibilities in the growing of sugar-beet. They, in Ireland, would not take the lesson that had been furnished by other countries. There must have been substantial reasons for the Government providing a subsidy in Ireland.

Mr. James Macauley, the newly-elected President of the Ulster Retail Drug Trade Association, is one of the oldest members of the Committee of the Chemists' and Druggists' Society of Ireland. He served his apprenticeship with Andrews & Co., Banbridge, and was afterwards for a time with Mr. G. W. Lawson, Limavady, and Mr. D. Robinson, Newtownards. After passing his R.D. in 1897, he came to Belfast as assistant to Mr. Wm. Haslett, Ormeau Road. In a few months he was appointed manager of Mr. Haslett's branch at Woodstock Road, Belfast, remaining there for seven years, and 22 years ago he commenced business for himself at 18 to 20 Holywood Road.



MR. J. MACAULEY

Belfast

Licences under the Poisons and Pharmacy Act have been issued to T. & J. McEvel, Ltd., seedsmen, 40 Victoria Square, and Arthur Ritchie & Co., 89 Victoria Street, seedsmen.

Mr. Samuel Nevin, R.D., late of Woodstock Road, Belfast, has been appointed honorary secretary of Shandon Park Golf Club, Belfast, a new organisation whose links will be open shortly.

The Tuberculosis Committee of Belfast Co. Borough invite tenders up to April 12, for the supply of medicines, dressings and medical appliances to the Municipal Sanatorium and the Municipal Hospital for tubercular children.

The Education Committee of Belfast Corporation has accepted the tender of Fred Storey, Ltd., Belfast, for medical requisites for the schools, of J. & J. Haslett, Ltd., wholesale druggists, for cleaning materials, and of Elliott & Co. (Edinburgh), Ltd., for dental requisites.

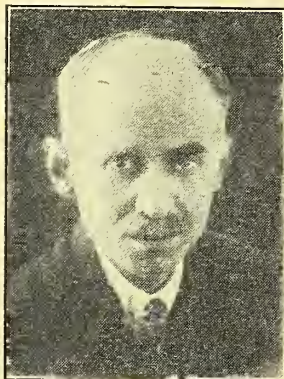
The Medical Superintendent Officer of Health for Belfast has arranged with the General Manager of the Tramways to have a small plaque placed inside each tram-car, directing attention as to where lists can be seen of chemists and registered druggists from whom urgent requirements can be obtained at night and on Sundays.

At the annual meeting of the Belfast Wholesale Merchants' and Manufacturers' Association, held recently, Mr. T. W. McMullan, M.P., M.P.S.N.I., presiding, Mr. McMullan was re-elected President. Mr. Haslett was elected a Vice-President, and Mr. George Wilson (Jordan, Wilson & Alexander) a member of the committee. At the annual dinner in the evening Mr. W. J. Hardy, M.P.S.N.I., President of the Chamber of Trade, responded to the toast of "Kindred Associations," and Mr. Horatio Todd, J.P., President of the Council of the Pharmaceutical Society of Northern Ireland, to the toast of "The Guests."

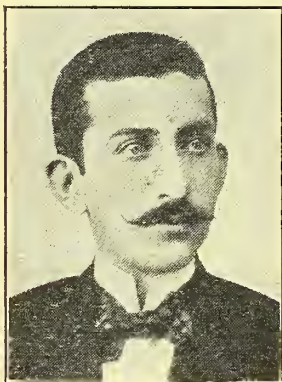
Turkish News

PROTECTING HOME INDUSTRIES.—In consequence of the steady increase in the number of Turkish pharmacists undertaking the manufacture of galenical preparations, and animated by the desire to stimulate and protect national enterprise, the Turkish Health authorities are now actively supervising all imports of official preparations, which are required to comply with the demands of the French Codex. Further, it is contemplated to prohibit the admission into Turkey of pharmaceutical specialties taking the form of pills, pastilles, syrups, elixirs, and medicated wines. Already the Customs have been instructed not to admit a well-known French preparation of cinchona, which enjoys an extensive sale in Turkey. On the other hand, no restrictions are to be placed in the way of the admission of synthetic chemicals for medicinal use, and of organotherapeutic preparations.

CONGRESS OF TURKISH PHARMACISTS.—Over 300 members participated in the first Congress arranged under the auspices of the Association of Turkish Pharmacists, with the President of the Association, Edhem Pertew Bey, in the chair. The discussion chiefly centred around the Government's proposal to reduce the number of pharmacies in Constantinople, whereby owners of businesses to be compulsorily closed are to be permitted to open new pharmacies in Anatolia, in places where no pharmaceutical service is at present available, and the proposal to introduce an official drug tariff. Moussa Kiazim Bey, in a speech which was much applauded, drew attention to the necessity of introducing measures to restrict the activities of herbalists and other unqualified dealers in drugs who, particularly in Anatolia, usurp the functions and privileges of the pharmacist. Several members, among whom Nail Halid Bey, formerly pharmacist to the last sultan, Sami Bey and Moussa Kiazim Bey, the former secretary-general of the Students' Association, violently criticised the policy of the committee, and urged that the committee of the Association of Pharmacists should consist of younger members. A resolution was carried to nominate a delegate to safeguard the interests of those pharmacists who are not proprietors of businesses at the seat of the Government in Angora. At the same time two members of the Association established in Angora,



EDHEM PERTEW BEY,
President of the Association of
Turkish Pharmacists.



HASSAN RAOUF BEY,
A prominent Constantinople
pharmacist.



NAIL HALID BEY,
Ex-Pharmacist to the last Sultan.

M. M. Hussein Husni and Mouzaffer, were elected by the Congress to represent the Association and empowered to discuss with the Government the two vital questions of the limitation of pharmacies in Constantinople and the introduction of an official drug tariff. In the election for the new committee only three of its former members were re-elected, viz., MM. Edhem Pertew, Hassan Raouf, and Nail Halid; the other six members were chosen from among the younger generation.

Legal Reports

Trade-Mark Application.—In the Chancery Division of the High Court, London, on March 31, Mr. Justice Astbury delivered a considered judgment in an appeal of Mr. Herbert McDowell, merchant, Mersey Docks and Harbour Building, Liverpool, from a decision of the Registrar of Trade Marks, refusing registration of his mark, consisting of the word "Nuvol," in the class for illuminating, heating and lubricating oils. The respondents to the appeal were the Standard Oil Co. (New Jersey), Inc., who opposed Mr. McDowell's registration on the ground that they had a mark on the register called "Nujol" in the class for medicinal and curative preparations of all kinds. His lordship, in the course of a long judgment, said that the respondents' evidence was that their preparation under the mark "Nujol" had acquired a wide reputation in this country, and that the mark tendered by the applicant for registration was calculated to deceive, and to lead to the belief that the goods under that mark were marketed by the Standard Oil Co. He was of opinion upon the evidence that the applicant's mark was not calculated to lead people to believe that that mark was for goods emanating from the Standard Oil Co. The goods in the two cases were different; they were used for different purposes, and were sold to and bought by different people. In his opinion the opponents had failed to justify the opposition they had raised to the registration of the applicant's mark. He held that the applicant had discharged the onus upon him, and the appeal would be allowed with costs.

Business Changes

MR. W. ROBERTS, chemist and druggist, has commenced business at Chapel Street, Llandudno.

MR. J. D. G. KEEBLE, chemist and druggist, has acquired the business of Mr. E. H. Kellam, chemist and druggist, 7 The Walk, Beccles, who has retired.

MR. W. H. WYATT, chemist and druggist, has taken over the pharmacy of Mr. T. L. Burgoyne, chemist and druggist, 55 Victoria Road, Ellacombe, Torquay, as from March 25.

MR. E. T. NEATHERCOAT, Ph.C., Weybridge and branches, has purchased the business of the late Mr. William Power, chemist and druggist, High Street, Walton-on-Thames.

MR. W. A. GRAY, who was with F. W. Bowyer & Bartleet for twenty years, has transferred his services to Slann & Davies, produce brokers, 60 Mark Lane, London, E.C., and will devote his attention to isinglass, varnish gums, drugs, etc.

AFTER representing Ayrton, Saunders & Co., Ltd., manufacturing chemists, Liverpool, in the North Midlands for many years, Mr. E. W. Thomas has entered into partnership with Mr. C. J. Wain, Ph.C., 17 Red Lion Square, Newcastle-under-Lyme.

A. TOOLEY & Co. announce that from March 31, 1926, Mr. W. S. Phillips and Mr. H. B. Phillips, who have been in charge of the drug department of F. W. Bowyer & Bartleet for the past twenty years, have transferred their services to them and will in future carry on their business in connection with their firm at Commercial Sale Rooms, 30 Mincing Lane, London, E.C.3. Mr. W. S. Phillips's connection with the drug trade dates from 1879, when he entered his father's firm of Jenkin & Phillips.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

WESTWOOD, MACNEILL & Co., LTD. (P.C.).—Capital £5,000. Objects : To acquire the business of a chemical exporter and merchant carried on by W. O. MacNeill at 145 Queen Street, Glasgow.

CATALINE COMPANY, LTD. (P.C.).—Capital £10,000. Objects : To acquire the business of a manufacturer of cattle medicines and preparations called Cataline Medicines, formerly carried on by J. H. Fursdon at Bristol. The directors are : J. H. Fursdon, W. H. Clement, J. A. J. Fursdon, C. S. Fursdon, and R. J. Fursdon. R.O. : 147A St. Michael's Hill, Bristol.

DORIAN KENNELS, LTD. (P.C.).—Capital £300. Objects : To acquire from Kitty P. M. Watts certain dogs, kennels and other assets, and to carry on the business of manufacturers of and dealers in feeding stuffs, animal and patent medicines and prepared foods, dips, washes, ointments and disinfectants, etc. Solicitor : G. G. Leader, Bank House Chambers, Newbury.

JOHN THRIFTY, LTD. (P.C.).—Capital £1,000. Objects : To acquire land in the United Kingdom, or elsewhere, to build, equip and maintain general stores and any other buildings thereon, and to carry on various businesses, including that of a chemist and druggist. The directors are : A. E. Cowper and T. Anthony. Solicitors : Jacques & Co., 8 Ely Place, London, E.C.1.

DAPPA PATENTS, LTD. (P.C.).—Capital £2,000. Objects : To acquire from W. H. Calnan, of Eaton Row, Hobart Place, S.W., and Capt. A. A. Clarence, of Western Gate, Sandbanks, Parkstone, Dorset, the benefit of a certain existing invention relating to a powder and puff container for toilet purposes. The directors are : W. H. Calnan and Capt. A. A. Clarence. R.O. : Eaton Row, Hobart Place, London, S.W.1.

A. THOMAS, LTD. (P.C.).—Capital £500. Objects : To carry on the business of specialists, manufacturers, importers and exporters of and dealers in all raw materials for soaps, perfumery and essences, and for mineral and aerated waters, and other liquids, confectionery and provisions, essential oils, essences, synthetics, aromatics, chemicals, drugs, etc. The directors are : H. Thomas, S. M. Thomas, Alice Thomas, Hilda Moran and T. J. Moran. R.O. : 90 Charlotte Street, London, W.

BRITISH LABORATORIES, LTD. (P.C.).—Capital £10,000. Objects : To carry on the business of manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial and other preparations and articles, drugs, compounds, oils, soap, varnishes, paint, turpentine, synthetic products, proprietary articles, electrical, surgical and scientific apparatus and materials, perfumery and toilet requisites, manufacturers of boxes, cases and receptacles (whether card, wood, metal or other material), etc. R.O. : 27 Walbrook, London, E.C.4.

TAYLOR'S DRUG CO., LTD.—The preference dividend at the rate of 6 per cent. per annum for the past half-year was paid on March 31.

BORAX CONSOLIDATED, LTD., has declared a dividend at the rate of 6 per cent. per annum, less tax at 4s. in the £, on preferred ordinary shares for the half-year ended March 31, 1926.

VENO DRUG CO., LTD.—The accounts, which cover a period of one year and seven days to January 31, 1926, show a net profit, after providing £13,524 for taxation, amounting to £93,740. This compares favourably with the average annual profit for the three years 1922-24 of £93,220 given in the prospectus issued in January 1925, when 300,000 8 per cent. cumulative preference shares of £1 each at par were offered for subscription. After providing for the dividends on the preference and preferred ordinary shares, the directors recommend a dividend of 3d. per share, free of tax, on the 1s. deferred ordinary shares, and transferring £20,000 to reserve. A sum of £10,320 is written off preliminary expenses and £5,527 is carried forward.

THE "SANITAS" TRUST, LTD.—The holders of ordinary shares of the "Sanitas" Trust have been approached on behalf of a number of holders of the 8 per cent. cumulative participating preference shares with a view to obtaining a modification of the rights attaching to the ordinary shares. The ordinary holders have agreed that the dividend of 8 per cent. on the preference shares be increased to 10 per cent., and, in addition, that these preference shares be entitled to one-half of the whole of the remaining divisible profits, the other half going to the ordinary shares. The provisions as to special reserve and writing off preliminary expenses are to be cancelled, leaving these matters ultimately in the hands of the shareholders. It is the intention to issue notices of meetings as soon after April 30 as possible.

LEVER BROS., LTD.—The report for the year ended December 31, 1925, shows a balance of £5,556,868 standing to the credit of the profit and loss account, which, after charging debenture interest at £474,023, and making provision for depreciation, has been appropriated in dividends as follows : On 7 per cent. Preference shares £2,140,350; on 8 per cent. "A" Preference shares £1,240,414; of 20 per cent. on Preferred Ordinary shares £757,462; of 20 per cent. on "A" Preferred Ordinary shares £600,000; of 20 per cent. on "B" Preferred Ordinary shares £81,000; and of 8 per cent. on Preferred Ordinary shares £76,198. There is carried to the reserve fund £661,342. The directors have written off the profit and loss account the advertising carried forward at December 31, 1924, amounting to £456,441. The directors have been able to sell at a profit the factory in Japan, which was showing a loss, and their interest in the businesses of Sanitas Co., Ltd., W. Woodward, Ltd., and the Neptune Oil Co., Ltd. (Australia), which the directors did not consider could be operated to the best advantage in conjunction with the principal industry of the company and its associated companies.

JOSEPH NATHAN & Co., LTD. (proprietors of "Glaxo").—The twenty-sixth ordinary general meeting was held on March 31 at Glaxo House, 56 Osnaburgh Street, London, N.W., Mr. Alec Nathan presiding, when the report for the year ended September 1925 was unanimously adopted. Subsequently the chairman unfolded a scheme for the reorganisation of the capital. The proposals are for a writing down of assets by approximately £286,686, which, in the opinion of the directors, will place the assets on a proper value in relation to world prices and to their earning capacity in the company's business. The ordinary shares are to be written down by 18s. to 2s., thereby providing £106,686, and the preferred ordinary shares are to be written down by 9s. per share to 11s. from £1, thus providing a further £180,000. The preferred ordinary holders will then receive one 8 per cent. new preferred ordinary share of the nominal value of 10s. and one ordinary share of 1s., and the ordinary shares will be divided into two ordinary shares of 1s. each. The 10s. preferred ordinary shares will bear a cumulative dividend at the rate of 8 per cent. per annum. This, with the cumulative "A" preference dividend, would mean £51,000 per annum, an earning capacity which the directors think can be regarded as a minimum in the future. A division of all profits over and above the said minimum of £51,000 is suggested on a basis of approximately two-thirds to the preferred ordinary class and the remainder to the ordinary shareholders. In place of the arrears of cumulative dividend and of the limited 4 per cent. participatory rights, both of which are to be cancelled, the directors propose that the preferred ordinary shareholders should be given this predominating and permanent interest in all surplus profits which will be represented by the issue to them of the ordinary shares, which can be sold if so desired. Continuing, the chairman said he saw no reason why these ordinary shares should not within a year or two be receiving a dividend and be commanding a satisfactory price in the Stock Exchange. It is the intention of the directors to post, within the next few days, the necessary formal notices detailing the scheme, so that the meetings can be held towards the end of April. On being put to the meeting, the proposition was unanimously approved.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 30, 1925		Feb. 26, 1926		Mar. 31, 1926	
	s.	d.	s.	d.	s.	d.
Allen & Hanburys, 7% Prefd. Ord.	20	9	21	3	21	3
Amalg. Dental Co. 8% Prefd. Ord.	19	3	20	6	20	0
Deferred 5s.	7	0	6	6	6	3
Apollinaris and Johannis, Ord. £1..	9	3	8	3	8	0
Ayrton, Saunders & Co., 7½% Pref.	13	6	13	6	13	6
Beecham Estates & Pills, 8% Cum. Pref.	21	3	20	9	21	0
Benger's Food, Ord.	33	6	33	3	34	6
Boake (A.), Roberts & Co., 5% Pref. £10	£6½		£6½		£6½	
Boots Pure Drug, Ord.	172	6	128	9	125	0
Boots Pure Drug, 7% "A" Prefd. Ord.	24	0	24	0	24	3
Boots Cash Chemists (Southern), 6% "A" Pref.	22	0	21	10½	21	10½
Borax Consol., Defd. Ord.	35	0	34	0	35	3
Bovril, 6% Pref.	21	6	22	3	22	0
Ord.	23	6	24	3	24	3
Defd.	47	6	44	6	43	6
British Celanese, Ord.	8	3	5	9	5	3
7½% Pref.	11	3	8	9	7	3
British Cyanides, Ord.	3	3	2	6	3	9
British Drug Houses, The, Ord.					21	0
British Dyestuffs Corp., 7% Pref.	12	3	12	0	11	6
Prefd. Ord.	6	6	6	3	5	6
British Glues and Chemicals, Ord.	4	3	4	3	4	0
8% Pref.	17	0	16	6	15	0
British Oil and Cake Mills, Ord.	27	6	27	6	26	0
British Oxygen, Ord.	28	0	28	0	26	3
British Photographic Industries, 6% Cum. Pref.	6	3	7	0	7	0
Brunner Mond, Ord.	37	3	35	6	33	9
7½% Pref.	26	6	28	0	26	9
Bush (W. J.) & Co., 5% Pref. £5	65	0	67	6	62	6
Cadbury Bros., 6% Pref.	23	6	24	0	23	9
Callard, Stewart & Watt, Ord.	31	3	32	6	33	9
5½% Pref.	17	3	18	9	19	0
Crosfield (Joseph) & Sons, 6½% Pref.	18	9	19	3	19	0
Dubarry Perfumery, Ord., 1s.	7	6	8	0	8	6
7½% Pref.	18	9	18	9	19	3
Eastman Kodak Com. (no Nom. value)	£113½		£114		£112	
Evans Sons Lescher & Webb, Ord.			4	6	4	0
6s. 8d. shares			4	6	5	0
5% Pref.			4	6	5	0
Field (J. C. & J.), Ord.	14	9	13	9	13	3
7% Pref.	20	0	20	0	19	9
Gossage (William), 6½% Pref.	19	0	18	9	18	9
Grout & Co., Ord.	70	0	58	9	58	9
Heppells, 7% cum. partie. Pref.	17	6	18	9	19	0
Ildris & Co., "A" Ord.	18	9	18	9	19	0
Ilford, Ltd., Ord.	25	0	24	6	23	9
6% Pref.	19	0	19	3	19	0
Intern. Sponge Importers, 6% Pref.	11	3	11	3	11	3
Kent (G. B.) & Sons, 5½% Pref.	13	0	13	0	12	6
Knight (John), 25% Prefd. Ord.	60	0	61	0	60	0
Laporta (B.) & Co., Ltd., Ord.	21	3	22	0	21	3
Lever Bros., Ltd., 7% Pref.	20	3	20	4½	19	3
8% Pref.	20	0	19	10½	18	6
20% Prefd. Ord. 5s.	10	6	10	6	9	9
Liebig's Ext. of Meat, Ord. £5	£16½		£17		£17½	
Mellin's Food, 6% Pref.	12	6	12	6	12	6
Mond Nickel Co., Ord.	37	0	38	3	38	0
7% Cum. Pref.	25	0	24	6	24	3
Nathan (Joseph) & Co., 7% Pref.	14	6	13	6	15	0
8% Prefd. Ord.	6	9	7	9	9	0
National Drug and Chem. Co. of Canada, 6½% Pref.	4	3	8	0	8	0
New Transvaal Chemical Co. 6% Pref.	16	6	17	0	16	9
8% Pref.	18	9	18	3	18	3
Salt Union, Ord.	31	9	31	9	29	6
Prof.	30	0	30	7½	28	9
"Sanitas," The, Co., 9% Pref.	22	6	23	0	23	0
Schweppes, Ltd., Ord.	22	6	23	0	23	0
Defd.	37	6	38	6	39	0
Smith (Stephen) & Co., 6% Pref.	33	1½	32	6	32	0
Southern Bros. & Barclay, Ord.	52	9	53	6	60	3
5% Prof.	18	9	18	6	18	0
Spratt's Patent, Ord.	50	0	50	0	38	9
Stevenson & Howell, 6½% Cum. Prof.	21	3	21	0	21	0
United Alkali, Ord.	35	0	30	9	30	6
United Glass Bottle Man., 6% Mt.						
Deb. Stk., £100	£95		£92		£93	
Venesta, Ltd., Ord.	23	9	23	9	23	0
7% Prof.	20	0	20	0	20	0
Vono Drug Co., 8% Pref.	19	6	19	0	18	9
Virol, Ltd., Ord.	82	6	85	0	85	0
7% Pref.	21	9	22	6	22	3
White (A. J.), Ltd., Ord. 10s.	8	6	7	6	8	0
White (R.) & Sons, 6% Pref.	17	0	17	0	17	6
Prof. Ord. 10s.	7	6	7	0	7	6
Wright, Layman & Umney, 6% Pref.	18	9	19	4½	19	4½

South African News

From "C. & D." Correspondents.

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Orange Free State

THE HONORARY SECRETARY and Treasurer of the O.F.S. Pharmaceutical Society has circularised members asking them to consider as to whether it is advisable for the Society to rejoin the Associated Pharmaceutical Societies, in order to give them an opportunity of setting right their grievances at the next annual conference, to be held in Bloemfontein on or about April 14 to 16.

The Union

LIVE STOCK REMEDIES REGULATIONS.—The following letter, signed by Mr. M. Cassell, secretary of the Associated Pharmaceutical Societies of South Africa, has been circulated to all members of the Pharmaceutical Society of Cape Province:—

After considerable correspondence with the Department of Agriculture regarding these regulations, and advice from our own solicitors we at last decided to take counsel's opinion, condensed statement of which follows:—

1. In the opinion of counsel the definition of Stock Remedy, so far as it refers only to a class of Pest Remedies used for administration to animals for the destruction of parasites or the prevention and cure of diseases arising from parasitic infection, is quite in order, and these medicines must be registered. It is counsel's opinion, however, that the definition of Stock Remedies in the Regulations (Proclamation 2,130 of 1924) goes beyond the definition of Pest Remedies, and the last ten words appear to cause a contradiction thereto. He is of opinion that medicines which are sold not for the cure of diseases arising from parasitic infection or for the prevention thereof need not be registered, and any prosecution resulting from failure to register could be successfully resisted on the ground that if the last words of the definition of Stock Remedies are intended to include medicines of such a nature they are *ultra vires*. If they are not intended to include such medicines they are unnecessary.

2. Counsel sees no objection to the regulations providing for registration provided that registration does not entail publication of the ingredients of secret remedies to the public. The composition of a secret prescription for a pest remedy is a right of property in the owner, and an Act of Parliament will not be considered to take away private rights of ownership unless the language of the Act necessarily entails that consequence. As counsel can find nothing in the Act of 1917 which would justify this inference, he thinks that any regulations which would result in notifying to the public the nature and percentage of the ingredients of secret remedies would be *ultra vires* the Act. It follows, therefore, in his opinion, that, although the Department is entitled to the information, it is not entitled to pass it on to the public.

We are, therefore, inquiring from the Department of Agriculture as to whether the register will be open to the public or not. If it is to be private, the form of application given in the Regulations should be filled up with the details they require. If, however, the Department state that the register is open to the public, all applicants for registration of a secret remedy should decline to give details of the composition required by the form.

3. From the above remarks it follows that in counsel's opinion the printing of the formula on the label is *ultra vires*, and he is of opinion that all owners of secret formulae should refuse to disclose the details of the composition on their labels, and, if prosecuted, could successfully plead that Regulation 6 is *ultra vires*.

It is understood, of course, that items 2 and 3 of the above opinion refer only to pest remedies coming under the Act. Ordinary remedies for curing diseases not due to parasitic infection have been explained to be *ultra vires* under item 1, and do not need to be registered at all. We are writing a letter to the Department of Agriculture to inquire whether the register is to be public or not, and we shall communicate with all constituent societies immediately.

In the meantime we would ask you to disseminate this information amongst your members, and should any of them be approached by the Department to register remedies and print labels according to the regulations as they now stand, they should explain that the matter is in the hands of this Association and refer the Department to us.

The subject is very important, and it is probable that we shall have to fight a case in order to have the regulations properly altered.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

ENGLAND AND WALES

Local Reports

Gloucestershire.—At a meeting of the Insurance Committee, held recently, the Pharmaceutical Service Subcommittee's report stated that two cases of inaccurate dispensing by chemists had been considered. In neither case was there any dispute as to the facts. The committee were satisfied that in both cases the mistake was due to lack of care, and that there was no fraudulent intent. In the first case the cause of the complaint was that the medicine had been made by the chemist with plain water instead of chloroform water as the prescription required. They recommended that the chemist be reprimanded for the offence, and that he be requested to exercise greater care in future. In the second case there were two defects: (1) although the prescription ordered an 8-oz. mixture, the bottle supplied contained only $7\frac{3}{4}$ oz., and (2) the main ingredient (potassium nitrate) was deficient to the extent of 21 per cent. The committee recommended that the chemist be reprimanded, and that the Minister of Health withhold the sum of £1 from the amount payable to the committee, the sum to be recovered from the chemist. The report was adopted.

Hertfordshire.—At a meeting of the Insurance Committee, on March 29, on the recommendation of the Pharmaceutical Service Subcommittee, it was decided to make representations to the Ministry of Health that, owing to the failure or negligence of Mr. "B." (a person under contract with the Committee to supply drugs and appliances to insured persons) to comply with the terms of service, he should be fined £5, to be recovered by deductions from the amounts payable to him by the Committee under his terms of service. Mr. "B." agreed that the percentage of deficit of ferri. sulph. shown in the report of the Committee's analyst (respecting 4.1 fl. ozs. of mist. ferri. aper.) was a serious deficiency, and that the deficiency shown in the report of his own analyst was too much. It was a stock mixture, taken over when he purchased his business in September, 1925, and he knew that stock mixtures were not allowed. He had no reason to doubt the mixture was not perfectly good.

London.—The monthly meeting of the Insurance Committee was held on March 25, when the Finance Subcommittee recommended the payment of accounts amounting to £29,779 1s. 6d. Amongst these was the following to chemists for the medical year, 1925-26:—£24,723 7s. 9d. The accounts were passed. The General Purposes Subcommittee reported that a certain chemist, in consequence of his authorisation to deal in dangerous drugs being withdrawn, was unable adequately to fulfil his contract. Nevertheless, the chemist continued to dispense insurance prescriptions from June to October 1924, which he was not entitled to dispense. He was informed by the committee that payment could not be allowed. The chemist appealed to the Ministry of Health, who was of opinion that the chemist might be under a misapprehension as to his position, and that the committee might, without admitting liability, make payment in respect of the prescriptions in question. They accordingly recommended that the sum of £35 be paid to the chemist. The recommendation was adopted. The Pharmaceutical Service Subcommittee reported that a test prescription for eight ounces of mistura potassii bromidi, L.I.P., was submitted to a certain chemist. The medicine showed on analysis that there was an excess of 23 per cent. of potassium bromide, together with an excess of 8 per cent. of ammonium carbonate. They accordingly interviewed the chemist, who expressed his regret for the error, and stated that his assistant, who had been in his service a number of years, was a careful and reliable dispenser. The two-ounce measure used for dispensing the prescription, he said, was a semi-conical one, with rather a wide curve at the top, and he could only suggest that it tilted when the solution was being measured. They agreed with the explanation, but thought that the chemist might be cautioned for the error. The report was adopted.

Middlesex.—At a meeting of the Pharmaceutical Committee, held on March 17, Mr. C. W. Andrew in the chair, a badly written prescription, about the interpretation of which there was considerable doubt, was submitted by the secretary, and carbon duplicates of other prescriptions written by the same doctor were also shown. The secretary was requested to bring the matter to the notice of the Middlesex Insurance Committee. The secretary also submitted particulars of a scheme for testing medicines, and it was decided to agree to the scheme, conditionally on the inclusion in the draft of certain safeguards. Consideration was then given to the supervisor's report, which included the following particulars:—

	December 1925	January 1926
Number of prescriptions	154,897	£161,758
Total value	£5,739 4s. 11d.	£5,898 12s. 3d.
Av. ingredient cost	4.4d.	4.3d.
Av. dispensing fee	4.5d.	4.5d.

	Pre- scriptions	Total cost £	Drugs d.	Fee d.
1925				
January	166,425	6,017	4.1	4.6
February	176,639	5,273	3.9	4.6
March	159,865	5,725	4.1	4.5
April	126,093	4,536	4.1	4.5
May	119,955	4,298	4.1	4.5
June	106,220	3,762	4.1	4.4
July	108,024	3,861	4.1	4.4
August	101,894	3,657	4.2	4.4
September	119,232	4,270	4.4	4.4
October	135,897	4,917	4.2	4.4
November	138,228	5,063	4.4	4.4
December	154,897	5,739	4.4	4.5

Comparative Figures

	1923	1924	1925 (provisional)
No. of prescriptions	1,290,595	1,479,229	1,613,299
Total value	£46,613	£54,613	£58,118
Av. ingredient cost	4.2d.	4.4d.	4.17d.
Av. dispensing fee	4.5d.	4.5d.	4.4d.

Insulin Prescriptions

	Patients	Total cost £ s. d.
Qtr. 1st	194 for 38	103 4 2
2nd	369 " 41	117 1 9
3rd	415 " 53	134 18 1
4th	411 " 44	117 18 4

Serums and Vaccine Prescriptions

	Patients	Total cost £ s. d.
Qtr. 1st	145 for 88	57 0 4
2nd	89 " 73	35 15 11
3rd	102 " 84	37 10 6
4th	223 " 118	114 12 2

The Ministry of Pensions (London Region, including Middlesex) prescriptions were as follows: October, 5,655 prescriptions, cost £243 15s. 1d.; November, 3,170, cost £143 3s. 4d.; December, 4,166, cost £193 3s. 8d. Disallowances for the fourth quarter numbered seventy-nine articles, including twenty-two brushes. Others included bovril, ovaltine, trusses, douches, comedone extractors, nasal syringes, vaccination pads, Fehling's, and Benedict's solutions, capsicum wool and thermogene. The bi-monthly meeting of the Insurance Committee was held on March 22 at the Guildhall, Westminster. The Finance and General Purposes Subcommittee recommended the payment of accounts amounting to £64,967 8s. Among these were the following: To chemists (December accounts), £5,561 15s. 9d.; ditto (January accounts), £5,892 19s. 4d. The accounts were passed. The Committee confirmed the action of the subcommittee in refunding the sum of £3 11s. 3d. paid by insured persons to chemists. The Finance and General Purposes Subcommittee also reported that they are in communication with the Middlesex County Council and Middlesex Pharmaceutical Committee with a view to the adoption of an agreed scheme for the testing of drugs. The scheme will not make any provision for the testing appliances. They are of opinion that the committee should enter into an agreement for twelve months with the Manchester Chamber of Commerce for the testing of appliances at a fee of 15s. for each sample. The recommendation of the subcommittee was adopted. Eight prescriptions submitted to chemists in the Edmonton district had been found correctly dispensed. It was reported that the total number of chemists on the panel was 341. There had been three resignations and six admissions to the panel during the period from January 26 to March 16.

Associations' Winter Session

Belfast.—The General Committee of the Chemists' and Druggists' Society of Ireland met recently in the Society's headquarters, 11 Waring Street, Belfast, the President (Mr. Fred Storey) in the chair. There were also present Messrs. W. J. Rankin, W. T. Gordon, G. Johnson, D. M. Honeyman, A. W. Stevenson, C. B. Abernethy, S. Gibson, J.P., and J. Moffet (hon. secretary). The subcommittees for the ensuing year were constituted as follows:—*Law:* Messrs. S. Suffern, S. Gibson, J.P., C. B. Abernethy, W. J. Rankin, and W. E. Wilson. *Finance:* Messrs. S. Gibson, J.P., J. Guthrie, W. J. Rankin, J. Macauley, and S. Suffern. *Rooms:* Messrs. E. J. Roberts, W. E. Wilson, D. M. Honeyman, C. B. Abernethy, and W. J. Rankin (convenor). *Social:* Messrs. J. A. L. Roberts, R. Kells, G. Johnson, W. T. Gordon, W. E. Wilson, and G. Haydock, with the President and Hon. Secretary *ex-officio* members of all committees.

Birkenhead.—A meeting of the Birkenhead and Wirral Pharmacists' Association was held on March 24, the President (Mr. W. G. Snow) in the chair. A good attendance of members and ladies was recorded. Mr. E. W. Franklin, hon. secretary of the Cheshire Bee-keeping Association, gave an interesting address on *Bee-keeping*, and in the course of his remarks mentioned the source and chief uses of honey, the life histories of the bees, and also how the latest improvements in hives had made possible a honey practically free from extraneous material. In recommending the keeping of bees to the members, not only as a hobby, but as a source of production, Mr. Franklin said that it took up very little of one's time, was very inexpensive, and could be made quite profitable, as some hives could yield from 70 to 150 lb. of honey per season. A series of lantern slides helped considerably in making the address very interesting and enjoyable, and a vote of thanks to Mr. Franklin was afterwards passed.

Cardiff.—A meeting of the Cardiff Pharmacists' Association was held at the Park Hotel on March 23, Mr. S. H. Willis occupying the chair. There was a good attendance. It was suggested that, if possible, affiliation might be made with the South Wales section of the Society of Chemical Industry. The annual report was accepted, and acknowledgment was made of the services of the secretary, Mr. Gwynne Wigley. The treasurer drew attention to the effort made when a profit of £19 was handed to the Benevolent Fund, resulting from the whist drive and dance held in January. A balance of £12 was credited from the general fund. A discussion ensued on the earlier closing of pharmacies, the consensus of opinion being that half an hour earlier closing on Mondays, Tuesdays and Thursdays would be acceptable, and the matter was passed on to the local branch of the R.P.U. for their consideration. Messrs. A. Hagon, Jabez A. Jones, and J. Reynolds (Mountain Ash) were unanimously proposed as life members of the Association. The following were appointed to act as trustees of the moneys collected to provide annually the Hagon medal at the Welsh College of Pharmacy: Messrs. S. H. Willis, S. B. Eason and D. Brims. The nomination and election of officers for 1926-27 resulted as follows:—*President*, Mr. T. Lewis, Ph.C.; *Vice-President*, Mr. G. Edwards; *Treasurer*, Mr. S. H. Willis; *Secretaries*, Mr. J. M. Davies, Ph.C., and C. S. Thomas; *Committee*, Messrs. S. W. Hague, W. G. Wigley, A. E. Ward, Reg. Davies, J. T. Day, and C. Jenkins. On the proposition of Mr. E. Poole, seconded by Mr. J. T. Day, it was unanimously decided to support the candidature of Councillor H. M. Lloyd at the forthcoming Council election, and further agreed to circularise all associations with the object of securing the support throughout the country, a subcommittee being appointed in this connection.

Colchester.—A meeting of the Colchester Association of Pharmacists was held on March 17, Mr. A. W. Nunn in the chair. Sympathetic reference to the loss sustained by the Association in the recent death of the President, Mr. A. Weddell, was made by the chairman. Mr. J. F. Morlar was afterwards elected *President*, and he thanked the members for the honour conferred

on him. A discussion followed with regard to local price cutting of certain proprietaries, and the secretary was instructed to communicate with the manufacturers. It was decided to hold future meetings quarterly.

Eastbourne.—The Eastbourne Pharmacists' Association held a meeting recently, when the action taken by the League of Ex-Service Pharmacists to secure reforms in the Pharmaceutical Service in the Army was approved. The following resolutions were agreed:—That having regard to the recommendation of the Retail Pharmacists' Union to the Royal Commission on Health Insurance with regard to the present method of administering medical benefit through Insurance Committees, this Committee urges the Union to take such action as may be considered necessary. That the Committee is of the opinion that it is not in the best interests of insured persons or Insurance chemists that the powers and duties of Insurance Committees be transferred to County Councils or County Borough Councils. It was decided to label certain asthma cigarettes "poison," and the secretary was instructed to write to the R.P.U. and inquire what should be done in case of a prosecution.

Edinburgh.—A meeting of the Executive Council of the Scottish Pharmaceutical Federation was held in Edinburgh on March 16, Mr. W. G. McNab (President) in the chair. It was decided to record in the Minutes the Council's regret at the death of Mr. Arthur McEwan (member of Council). Messrs. W. G. McNab, P. Nisbet and A. A. Dick (with deputy, Mr. P. M. Duff) were appointed to attend a joint conference between representatives of the Pharmaceutical Society of Great Britain, the Retail Pharmacists' Union, and the Scottish Pharmaceutical Federation, which was held in London on March 23, to discuss the attitude generally towards proprietary medicine legislation and the possibility of adopting a joint policy. A report was given regarding an indemnity claim against a member for £100 arising out of a case where the member had applied first-aid to a person stung by a wasp. It was explained that the case had not yet been settled, and that the liability (if any) or the legal expenses incurred in connection with the case would not fall to be borne by the member. The Executive confirmed what had been done by the secretary in connection with claims against members defended by the Federation, viz. (a) claims against three different members by an advertising company for payment of advertising accounts, where it was held that the contracts had been broken by the company; (b) Dangerous Drugs Act (morphine tablets); (c) Food and Drugs Acts (camphorated oil). Reference was made, among other matters, to the protest made by the Federation against the Labelling of Poisons Order.

London (E.).—A meeting of the East London Pharmacists' Association was held at Limehouse recently, Mr. A. R. Keith (President) in the chair. Mr. B. Abelson (secretary) reported on the financial position and submitted the balance sheet, which was approved. Mr. G. A. Tocher (secretary, London Pharmaceutical Committee) outlined the official scheme for the testing of Insurance medicines and appliances, and made suggestions helpful to ensure accurate dispensing. The secretary opened a discussion on the Labelling of Poisons Order and other matters. In view of the difficulty of securing a good attendance at meetings called for the early-closing day, it was decided to hold the next on an evening, after business hours.

Preston.—A meeting of the Preston Pharmacists' Association was held at the Bull and Royal Hotel recently, when a paper on *Milk and its Composition* was given by Mr. E. N. Lloyd (Trufood, Ltd.). After a discussion, Mr. Lloyd was thanked for his interesting talk.

Public Pharmacists.—At a meeting of the Guild of Public Pharmacists' Council recently it was decided to compile a register of public pharmacists for the use of employing bodies. An annual certificate of registration will be issued, renewable on a specific date in each year, a nominal charge being made to cover the expense. Existing members of the Guild will form the nucleus of the register. Twelve new members were elected, bringing the total membership to 155.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist & Druggist,' 42 Cannon St., London, E.C.4."

Report on the March Analytical Exercise

THE powder distributed to students on March 9 contained six parts by weight of potassium aluminium sulphate (potassium alum), three parts of ammonium ferric sulphate (iron alum), and one part of potassium chromic sulphate (chrome alum). The calculated composition of such a mixture is:—

Al	3.4
Fe	3.5
Cr	1.1
K	5.7
NH ₄	1.1
SO ₄	40.1
H ₂ O	45.1
	<hr/> 100.0

There were also present, as impurities, distinct traces of the hydrochloric and nitric acid radicals.

Samples of the powder were sent out to sixty-five students, and twenty-three reports were submitted for examination. Iron, potassium, and the sulphuric acid radical were detected by the senders of all these reports, while aluminium was missed by three, chromium by four, and ammonium by thirteen. The trace of chloride was missed in six cases, and that of nitrate in twelve. Only three students failed to report the evolution of water when the powder was gently heated in a dry tube.

The alums used in preparing this exercise all contain a large proportion of sulphuric acid radical (about 40 per cent.) and of water of crystallisation (about 45 per cent.), consequently the proportions of the various metallic radicals present in the mixture were relatively small. It is to be noted that, although all three of the constituent salts are grouped together as "alums," the so-called iron and chrome alums do not contain aluminium, but have the place of the latter element in the common alums taken by iron in the ferric state and by chromium respectively.

The analysis was not complicated by any real difficulty—a fact which is reflected in the usually high marks attained—and, with the exception of the ammonium, few failures occurred in the detection of the metallic radicals. In the few cases in which chromium was missed, omission to apply any test for it was the usual reason, while the much more numerous failures to detect ammonium were, no doubt, due to the test for it not having been applied in a sufficiently delicate manner, or, in a few cases, to its having been omitted altogether.

As regards the impurities, the reaction for a chloride, although slight, was too distinct to be overlooked in careful observation, and much the same remark may be made about the nitrate reaction with ferrous sulphate and sulphuric acid. In carrying out the latter reaction it was important to wait for a short time in order to obtain a clear indication, while in all cases cooling under the tap after the addition of the concentrated sulphuric acid is to be recommended. The test for a chloride was best made by simply adding silver nitrate to the aqueous solution of the powder after acidification with dilute nitric acid. In this way uncertainty due to the use of possibly impure sodium carbonate was avoidable.

One error which was met with in numerous reports should be carefully avoided. After obtaining a solution of the powder in water and adding dilute hydrochloric acid, followed by hydrogen sulphide treatment, many students reported that there was no precipitate, wishing to convey, doubtless, that there was no sulphide precipitate. There was formed, however, a precipitate of sulphur, due to the oxidation of the hydrogen sulphide by the ferric salt present, and the production of this should have been reported and the cause for its production stated, if recognised. It should be a first care in reporting on an analysis to record exactly what is

observed and then to state the conclusions reached on the strength of the observations. It should be a further duty, as well as a matter of conscience, to abstain from the practice—occasionally met with in some reports and easily recognised in most cases by internal evidence—of including the description of tests which had not been applied and of the supposed (but not infrequently impossible) results of the same.

PRIZES

The first prize for the best analysis has been awarded to:—

L. H. BOARDMAN, The College of Pharmacy, Manchester.

The second prize has been awarded to:—

H. CRELLIN, Caledonia, 21 Buck's Road, Douglas, I.O.M.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher, naming the book or books they select.

MARKS AWARDED FOR ANALYSES

L. H. Boardman	Laxey	84
(First Prize) ... 94	Aspro	83
H. Crellin (Second	W. T. H.	83
Prize) 93	East Coast	81
Nil Sine Labore ... 92	Smelfungus	81
R. F. S. 92	Chromatin	80
Cascara 90	N. R. W.	80
Altiora Peto 88	Tonco	77
A. T. 88	B. H. F.	76
Massa de Jujubis ... 88	Kemi	76
H. E. P. 87	Ailsa Davis	74
Spes 87	Zingiber	59
Peter 85		

TO CORRESPONDENTS

R. F. S.—The ferrous sulphate test for a nitrate gradually yielded a recognisable positive indication. The trace of nitrate present was, however, only slight.

ALTIORA PETO.—Sulphur dioxide was not evolved when the powder was heated with concentrated sulphuric acid. The pungency you observed may have been due to volatilisation of some sulphuric acid.

SPES.—The evolution of sulphur dioxide when the powder was heated was due simply to the decomposition of sulphates, and did not depend upon the interaction of the latter with a reducing agent. Ferric, chromic, and aluminium sulphates all decompose when strongly heated, yielding some sulphur dioxide and oxygen. Had you applied a test for iron in the ferrous state you would have obtained a negative result.

PETER.—We are at a loss to understand how you obtained reactions which led you to report the presence of a nitrite and a benzoate.

LAXEY.—Note that a green borax bead does not indicate copper. The copper bead produced in the oxidising flame is distinctly blue.

W. T. H.—The precipitate with hydrogen sulphide which led you to report an arsenate, consisted of sulphur, and the precipitate with ammonium molybdate was probably molybdic acid or anhydride.

CHROMATIN.—You mention bismuth nitrate and sodium phosphate as employed in preparing Carnot's (not Karnot's) reagent, but it is sodium thiosulphate which is required instead of the phosphate. It was unfortunate in this case that your test for traces of a chloride was vitiated by the reagents containing some. The aqueous solution of the salt might have been tested at once, by means of silver nitrate, for chloride. See also the reply to "Peter."

N. R. W.—Little credit can be given for including in the summary of results the names of some probable constituents, with question marks attached. A definite finding should be reported in every case.

Tonco.—When you shook the iron-group precipitate with cold solution of sodium hydroxide you would obtain the aluminium and at least part of the chromium in solution, since chromic hydroxide is dissolved by that reagent, and it was quite erroneous to conclude that chromium was absent merely because the insoluble portion of the precipitate was "only red." Your procedure simply left chromium not tested for, either in the solution or in the residue.

B. H. F. and KEM.—Chromium should have been tested for in the iron-group precipitate.

THE ANALYTICAL TOURNAMENT

The results of the fifth competition have altered the respective positions of some of the competitors whose pseudonyms were near the top of the list as published last month. The following, amongst whom it is likely that the tournament prize-winners will be found, have sent in reports on the five analyses to date and have obtained aggregate marks exceeding 400:—

Glauber	...	...	456	W. T. H.	...	...	441
A. T.	...	...	446	Nil Sine Labore	...	...	438
Moi	...	...	442	Cascara	...	...	420

Pharmacy in Bulgaria

THE practice of pharmacy in Bulgaria is subject to the control of the Directorate for the Protection of Public Health, a Government department in charge of one physician and one pharmacist, the latter assisted by two pharmacists, while the Medical Council, composed of medical men and one lawyer, acts in a purely advisory capacity. It is thus apparent that in taking decisions pertaining to pharmaceutical matters the medical profession exerts a preponderant influence. To enter the profession the matriculation certificate is required, followed by two years' apprenticeship, at the conclusion of which the candidate sits for the pharmacy assistant's examination. The University of Sofia not possessing a pharmaceutical faculty, Bulgarian pharmacists are compelled to complete their studies at a university outside the country prior to submitting themselves to the state examination, on passing which they receive the diploma and are qualified to own or manage a business. The law of 1909 provides that there shall be one pharmacy for every 5,000 persons, and at present Bulgaria has 56 pharmacies belonging to the state, including army pharmacies, 21 pharmacies run by communal bodies, and 190 businesses in private ownership. The intention is gradually to convert all pharmacies in private hands into concessions—i.e., to limit possession to the lifetime of the concessionaire, who is selected by the Directorate for the Protection of Public Health from among the applicants, seniority in respect of the years which have elapsed since obtaining the diploma being one of the deciding factors. The concessionaire is required to purchase the house, fittings and stock from his predecessor, or heirs, at their current value, or, in the case of opening a new business, to defray all expenses out of his own pocket. Recently the Government's policy has been to grant the concession to carry on a pharmacy to the communal authorities, which is managed on their behalf by a qualified pharmacist. The large number of unemployed pharmacists is at present a matter of serious concern, and it is proposed to take steps to restrict the number of new entrants; in addition, in consequence of the growth in the population revealed by the last census, about sixty new businesses should be opened, of which Sofia would claim ten, to maintain the ratio of one pharmacy to 5,000 inhabitants. However, it will be a difficult matter to provide employment for all, since there are 176 qualified pharmacists and 700 pharmacy assistants, about 400 of whom are women, and the Bulgarian Pharmaceutical Society is confronted by a difficult problem, which is further complicated by demands for increased salaries, the creation of a professional sick fund, and fixed hours of work. Finally, mention may be made of a step taken by the proprietors of pharmacies, who combined to form a wholesale buying association on a co-operative basis, as a joint stock company.

Treatment of Sea Sickness

AN article by P. H. Desnoes in the "Journal of the American Medical Association" for January 30, 1926, is devoted to a study of seasickness, based on a review of the literature and on personal observation. Seasickness in the healthy adult is usually due to excessive stimulation of the labyrinth; but there are several other factors that may enter into the problem, such as eye muscle fatigue, muscle sense disturbance, reflex irritation from the gastro-intestinal tract, and neurotic or psychic reactions in certain types of individuals. The great majority of passengers can avoid seasickness by adopting, a week or so before sailing, a few rules of hygiene and diet. Abundant sleep must be obtained to place the central nervous system in as good a functioning condition as possible. Exercise in the open air, especially for those who ordinarily spend most of their time indoors, is important to prepare for the fresh and stimulating air of the marine climate, and to tone up the reflexes, both muscular and visceral. Proper bowel elimination should be achieved by exercise and diet and, if necessary, a laxative dose of sodium phosphate, 2 drachms in 6 ounces of water, should be taken one hour before breakfast. Those who prefer pills may use phenolphthalein, from 1 to 2 grains, or one or two vegetable laxative pills at night, before retiring. Drastic catharsis is not indicated. After a person embarks, the diet generally should be restricted in amount, and should be limited to those articles that appeal most to the appetite. In general, little fluid should be taken at meals, but plenty between meals, such as clear bouillon in the forenoon and weak tea in the afternoon. A laxative pill at night, or soda phosphate in the morning, is usually necessary to secure evacuation daily. Most of the time should be spent on deck, and the mind should be kept actively engaged in some diversion. When symptoms of seasickness occur, an attempt should be made to discover which one of the five main factors is operating, or, if more than one, which is operative to the greatest extent.

A REASON FOR FAILURE

The reason why advertised seasickness remedies so often fail is that they are usually directed against only one factor. The author states that in his experience scopolamine hydrobromide yields better results than atropine. In mild cases of seasickness he administers $\frac{1}{100}$ grain scopolamine hydrobromide, by mouth, every hour until the patient is relieved or until the physiologic effects are obtained. A simple way to give this is one teaspoonful every hour of a mixture containing scopolamine hydrobromide, $\frac{1}{10}$ grain; spirit of peppermint, 3 minims; elixir of lactated pepsin, sufficient to make 1 ounce. In cases with much depression, strychnine sulphate, $\frac{1}{100}$ grain, is added to the mixture, and for severer cases with much vomiting scopolamine and strychnine are given by hypodermic injection. As the psychic element enters into nearly every case, a centrally acting hypnotic is usually necessary; for this the author uses chlorbutanol, from 5 to 10 grains, in capsules, repeated in six hours if necessary. Besides inducing sleep, this remedy has an anæsthetic action on the gastric mucosa. A convenient way of dispensing chlorbutanol, together with the previously mentioned drugs, is to place the tablets in the capsule with the chlorbutanol, and all three may be taken together. Other hypnotics may also be used. The psychic element is always present in seasickness, and in some neurotic persons it may be the chief factor. Mental diversion is the most valuable remedy; the less these persons think about their symptoms the better off they are. Usually bromide is indicated: Chloral hydrate, 1 drachm; strontium bromide, 5 drachms; spirit of anise, 15 minims; chloroform water, sufficient to make 4 ounces. Of this, one teaspoonful is to be taken every four hours. Cases of excessive vomiting that tax all efforts at control are occasionally encountered. After the usual remedies are tried, including the mustard plaster applied to the epigastrium; from $\frac{1}{4}$ to $\frac{1}{2}$ grain of morphine sulphate, administered hypodermically, combined with from $\frac{1}{100}$ to $\frac{1}{50}$ grain of atropine sulphate, is the court of last resort.

Pharmaceutical Veterans

Recollections by "A Back Number" (Mr. J. C. Shenstone, F.L.S.)

MANY years ago, among a crowd facing a hustings in an old English market town, there stood a schoolboy, the son of a local chemist. Behind the crowd was the shop of an enterprising grocer, strongly barricaded, but with a small opening through which assistants were rapidly serving eggs of two qualities—common or ordinary eggs at sixpence apiece, rotten eggs, saved up for the occasion, at two shillings and sixpence each. The embryo pharmacist, who in the course of time developed into a back number, felt much pride in seeing the prominent position occupied by his father upon the hustings, among the most worthy inhabitants of the borough, and derived still more pleasure in watching the skilful manner in which his parent parried the eggs which came his way. Each of those in the front row, profiting by past experience, had provided himself with a robust umbrella, and soon acquired great skill in using it as a shield.

The election day having passed, and the poll book being duly published, the town settled down to its daily routine, with a comfortable feeling that money might be plentiful after the hardly fought election; for those conscientious electors who had resisted bribery and corruption felt some satisfaction in anticipating a temporary increase of trade therefrom. It usually happened that on the half holiday of the local schools the youth, much interested in the life and stir of his father's shop, and already ambitious to become a fully fledged chemist, would make himself busy in his spare time in serving out "pennorths" of hair oil, or it may be of salts, delivering parcels when no errand boy was available, and making himself generally useful—often augmenting his pocket money thereby.

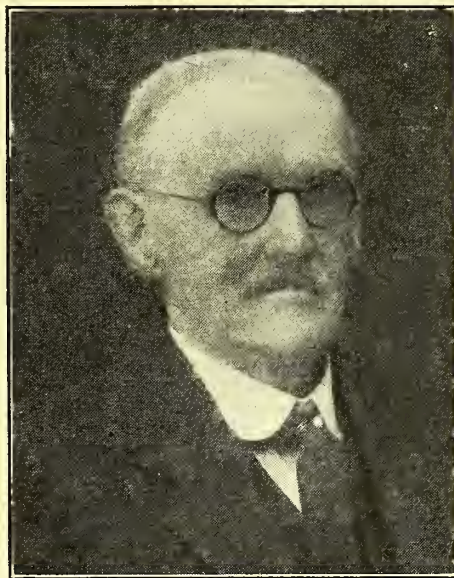
QUAINT CUSTOMERS

There were many quaint and interesting characters among the customers of those days, when men had not all been moulded into one shape by our modern national system of elementary and secondary education. Many came from country districts, into which neither railways nor book learning had as yet penetrated; and the quaint dialects of the neighbouring counties gave a local colour to the day's experiences. Sunday schools, however, had arrived, and also "Bible schools" (to teach the masses to read their bibles), ragged schools and charity schools, while grammar schools supplied sufficient secondary education for the times. All classes were more intimately acquainted with the Bible than modern people. Some of the poorer customers could repeat whole chapters word for word, and the Back Number learnt many of the epistles by heart as a punishment for misbehaviour at school. He recollects one young girl employed at a local inn, who, upon demand, could quote most passages from the Bible, or recite from many of Shakespeare's plays.

One old countryman, who had passed three score years and ten, would still tramp into town from a village eleven miles distant, calling for orders at wayside houses, and returning with the goods late in the day. He would visit different towns upon different days of the week. On Sundays, by way of rest, he would walk some miles to the nearest Roman Catholic church. When the old man brought orders to the chemist's shop, he requested an ounce of laudanum by way of payment; this was handed to him by the apprentice in a glass measure, and after quickly disposing of it, he smacked his lips by way of appreciation. Ague was at that time extremely common in the marshy districts of Eastern England, but as drainage was extended, it gradually disappeared in the latter half of the last century. Opium, quinine and "Jesuit's bark" were the popular remedies. The opium habit to which it gave rise has only quite recently disappeared. However, as the people led healthy open-air lives, and their poverty limited their supplies of opium, it did not have such disastrous effects upon them as upon those richer people who acquired the habit through taking it to obtain sleep. On slack days this old messenger would entertain the apprentices by humorous stories, interspersed with quotations from the Bible.

Chemists of those times (called by George Borrow, in his "Lavengro," poison-mongers) were guided by the moral law in distributing poisons. The only poison-law then in force was the Arsenic Act, and that had not long been passed. But they knew their customers;—casualties

were not more numerous than in modern times, and the Back Number looks back with some regret to the old days, before the complications of our modern poison-regulations with their severe penalties existed. In hot summer seasons, a jar would be kept filled with blocks of mercuric chloride, varying from one to two ounces in weight, ready for market day. Shepherds, in their picturesque, richly embroidered smocks (or, as these were then disappearing slowly, in their brown velvet coats and waistcoats), purchasing a block, would remove its wrappers, carefully replacing the paper by a piece of bladder, and deposit it in a convenient pocket, ready for the first occasion when they detected maggots on a sheep's coat. The shepherds of those times were a careful, intelligent, well-trained class of men; and the Back Number cannot recall a single casualty caused by the thousands of these blocks which he distributed in his day, and only very occasional cases of suicide by potassium cyanide, then frequently sold to Army tailors and jewellers. It is among the less intelligent, untrained classes of modern densely populated towns that casualties occur through carelessness with poisons.



Photo]

MR. J. C. SHENSTONE, F.L.S.

[Wayland

In due course the Back Number passed on to take his place at the Pharmaceutical Society's School of Pharmacy. Dr. Redwood then presided over theoretical chemistry and pharmacy, Dr. Atfield over practical chemistry, Professor Bentley over botany and materia medica. The students in most respects differed little from those of to-day. At a bar not far from Bloomsbury Square a special brew of ale was sold, known as Disher's Ten Guinea. It differed from ordinary ale in being from two to three times stronger in alcoholic value. A favourite trick served upon new arrivals at the school was to visit this bar with them, accompanied by one or two other friends. Taking turns at treating to glasses of ale, the matter would be managed so that the new student was served with the palatable Disher's Ten Guinea, from two to three glasses of which was ample to upset the equilibrium of most people. On the day after that on which the Back Number had negotiated his Qualifying examination, some sympathetic students, in their efforts to console a candidate who had failed, had treated him to Disher's Ten Guinea. The Back Number can still recall the picture of the unfortunate youth sitting upon the floor of the laboratory, trying his best to describe the wicked examiners, to whom he attributed his failure. Professor Atfield appeared for a moment upon the scene, but discreetly kept his eyes in another direction, discipline being somewhat relaxed on the days when examination results were announced. On one occasion, a student, the son of a well-known merchant, having been commissioned by his father to interview a foreign

consul, appeared at the lecture upon pharmacy dressed in an immaculate morning coat, and carrying the glossiest of silk hats, intending to hurry from the lecture room to the consulate. As he was proceeding on his way, I noticed that for some reason he was attracting undue attention from the passers-by; upon investigation, he discovered that some wag had appropriated an Hippocrates' sleeve (jelly-bag strainer), which had been exhibited by Professor Redwood, and had attached it by the tapes to his tail buttons, by way of adding a finish to his personal adornment. In those days it frequently happened that an old lady could be seen in Bloomsbury Square or Southampton Row "half seas over," usually carrying a rough basket. She was quiet enough unless interfered with; then her basket would descend upon the nearest person's head. A favourite joke with some students was to stir the old lady up and then pass on to a policeman, usually stationed in Holborn, not far off, and call attention to the old lady's proceedings. The policeman would remark, "Not my beat," and promptly walk off, lest the old lady should invade his territory.

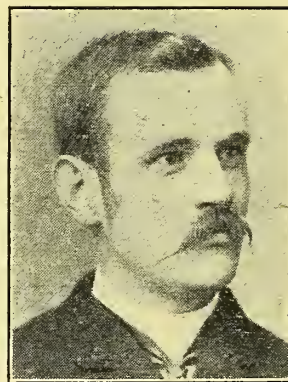
The dispensing of medicine in the form of draughts, each dose contained in an ounce-and-a-half long vial, had not quite disappeared in the Back Number's early time. The average charge was sevenpence. The change to six- and eight-ounce bottles with the doses marked upon them was not popular with chemists, as the price charged per dose was reduced—though it remained higher than present-day charges. Prescriptions were certainly more carefully written in those times, mostly in correct medical Latin, and the Latin edition of the London Pharmacopœia was still in use. The prescribing was usually simple. Fresh infusions were frequent, and were considered correct dispensing, but concentrated infusions were gradually taking the place of the fresh ones. The modern plan of prescribing for single doses, and leaving the necessary calculations for the pharmacist to work out, had not arrived, thus saving the chemist much "brain fag." Plasters on sheepskin were in daily demand; and constant practice in plaster-spreading resulted in great skill. A clean margin was secured without the paper protection now usually found necessary, and the exact heat of the spatula and quantity of plaster required were judged intuitively. Pills were constantly prescribed and were freshly prepared, either uncoated or covered with silver or gold. Varnishing had not then arrived, nor had the modern factory-made white-coated pills; and when they appeared many doctors objected to the little bullets provided by factories, and specified that the pills should be freshly prepared. Constant practice enabled dispensers to compound pills very rapidly.

STEADY PRICES

Leeches were still in regular demand; and it not unfrequently happened that the chemist, after settling in his bed on a cold winter night, would be called down by the night bell to fetch leeches from the almost freezing leech jar for application to an eye which had suffered from a too heated argument in a neighbouring inn. When the founder of the Back Number's business took a fortnight's holiday he left the business in charge of a senior apprentice, who happened to be the Back Number's father—the expensive *locum* was not then made imperative. The giving of change was also much more simple. Drapers had not then initiated the dodge of giving their goods an appearance of cheapness by charging nineteen shillings and elevenpence three-farthings per yard. One penny, sixpence, one shilling, and so on were the prices for packed goods. Patent medicines were, however, an exception, the cost of the stamp being added to the whole number. Prices did not fluctuate so rapidly as in the present day. When the Liverpool Price List was published a yearly revision was considered sufficient; and the list would often serve in a shop for two or even three years without much correction. Retail prices did not respond to every small fluctuation in the market. Street lighting was poor, and the police were less effective than to-day. It was not safe for ladies to return home at night unprotected. The duty of escorting lady visitors to their homes frequently fell to the strongest and best-mannered apprentice, a much-appreciated duty if the lady happened to be young and fair.

It is not easy to compare the income and expenditure of different periods; but the chemist's income in the middle and earlier nineteenth century was certainly more stable and comfortable than at the latter end. Long credit was the rule. Wholesale houses gave six months' credit, thus balancing to some extent the amount due from customers. Overhead charges were low, and price-cutting had not started. Competition was not so keen as in later times; hence, once established, with steady work the income was fairly secure, and businesses more often than not passed to several generations without great change. A living income and the building up of a sufficient reserve to secure comfort in old age was the rule. The rent paid by a typical pharmacist for commodious premises, including a comfortable dwelling-house, was forty pounds a year; an addition of ten pounds a year would cover rates and taxes. Apprentices paid premiums of a hundred pounds each for a term of five years; they received no salary, but were boarded and lodged free, their parents providing pocket money and clothes. The weekly wage of errand-boys and porters, commencing at from 2s. 6d. to 3s. 6d. a week, would slowly rise to 20s. a week. Assistants received free board and lodging, then valued at £40 per annum, with salaries of from £20 to £40 per annum. The Back Number had in his possession the revenue account of a chemist in the early part of the nineteenth century which he believes to be typical of the prosperous business of that day. This showed a net profit of £900 upon a return of £2,000. The speculative element, with such small overhead costs, was obviously slight. Salaries and wages were low; but as apprentices and assistants had excellent prospects of becoming in due course proprietors of businesses comparatively early in life, they attached more importance to the experience to be gained than to the salary. With low overhead expenses, and a well-established connection of clients, the proprietor could retire to bed at night, knowing well what the morrow was likely to bring forth, with little need for worry.

Retail chemists of those days kept doctors' surgeries and local hospitals supplied with drugs. All galenicals, pills, etc., were prepared by them, keeping their staff busy with very varied work. Distilled waters, cold cream, the then popular bear's grease, dentifrices, perfumery, and even lozenges were prepared by retailers, but chemicals were purchased. Most of the leading chemists had laboratories in which the central feature would be a stack of stoves, stills, etc., similar to those exhibited in the Wellcome Historical Medical Museum. French floral pomades were purchased as imported from South Europe. The chemist would extract the perfume from these by maceration in alcohol, the residuary pomade serving for the preparation of the more delicately perfumed pomatums. The cheaper kinds of bear's grease and pomades sold to poorer folk were scented strongly with bergamot, citronella, and so forth. The churches at confirmation services reeked with the scent of pomatum. The girls' heads, covered by veils or caps, fortunately had their turn first, as the Bishop's hands became saturated with grease as he progressed, placing his hands upon the boys' heads, and the dainty caps and veils worn by the girls would have suffered badly at the end of the ceremony. The old bell-metal mortars and sieves kept the porters busy in their odd times, affording continuous music to the near district, music even more pleasing to the chemist of those days than the modern wireless. In cold weather the apprentices would take a turn at the pestle, by way of healthy exercise, sometimes, for the sake of variety, competing with one another in athletic performances with the



MR. SHENSTONE IN 1885

twenty-pound pestle. Sugar loaves, used in making syrups, lozenges, etc., were, however, crushed and pulverised in a marble mortar some three feet in diameter; this was also used for crushing other substances, and for preparing cough emulsions in large demand and also the violet-scented "Hair Powder"—which was seldom used as a hair powder, but chiefly as a dusting powder for babies. British wines and ink were manufactured in the Back Number's laboratory. A legend was handed down that on one occasion the founder of the business, owing to failing eyesight, stumbled into the large cask in which the ink was stored. The cask stood upon one end, and was filled through a trapdoor in the laboratory floor. A lusty apprentice who was at hand rushed to his master's rescue; he had nearly succeeded in raising him to *terra firma* when the strong language indulged in by the old gentleman struck a vein of humour in his apprentice, who was so overpowered in his efforts to control his laughter than he let go; a second apprentice then appeared upon the scene, and the second attempt was successful in saving the worthy man from an inky grave.

FEW PROPRIETARY MEDICINES

Country chemists frequently kept a pony and trap, which did good service, both for business and pleasure. The older apprentice would usually drive periodically, delivering drugs to and taking orders from doctors, as well as to village shops for children's powders, pills and other simple necessities. Some of our modern manufacturing and wholesale houses originated in this way. As the railway and other means of transport extended, enterprising London houses extended the range of their business with medical men, and gradually wrested this small wholesale trade from the local chemists. The Back Number, however, retained a fraction of his old medical connection until the end of the last century, when he parted with the business; one medical man and his father before him had drawn all their medical supplies from this shop for a period of seventy years or more. The Sale of Food and Drugs Acts and all the subsequent Acts, with their long trail of inspectors, arrived within the Back Number's memory. No doubt they were necessary under the altered conditions, though in olden days, somehow, the old folk under the more settled conditions knew how to discriminate between the honest and the dishonest man, and in the long run the honest man came out at the top. As the application of science extended to industries, it not only greatly facilitated the detection of fraud, but also greatly added to the capacity for evil doers to accomplish their evil purposes. Adulteration was scientifically carried out, and became more difficult to detect. Proprietary medicines were not so numerous as at present. Holloway's Pills, Morison's Pills, Cockle's Pills, Steedman's and Stedman's Powders, and a few others occupied the centre of the stage: Beecham's, Lamplough's, Eno's, Congreve's, Dinneford's, Woodward's, and a host of others came along in due course. In the earlier times many proprietaries found their way simply upon their merits, with little or no advertising, by recommendation from one customer to another. The Back Number remembers one such medicine, founded close upon a century ago; it had extended itself to the United States of America, but was killed by the McKinley Tariff.

The chemists and druggists of the last century did good service in pioneering the application of new scientific discoveries. The preparation of aerated waters was a case in point. The writer's father was among the pioneers of this industry, and the family greatly approved of this side-line, for defective bottles of lemonade found their way to the nursery. Some of the pioneers relinquished their chemists' businesses and developed their side-lines. The practice of dentistry was in the Back Number's early days confined to chemists and surgeons, and many successful practices were founded by men who discarded their pharmacies. The manufacture of artificial manure and other agricultural requirements was in their early days nursed by chemists. One of the earliest condensed milk factories in England was established in the market town referred to. The board of directors, finding the addition of a chemist to their staff essential, approached the writer,

who undertook the work at an annual salary. As luck had it, the first sample of milk he reported upon was that of the chairman of the company (a brother of General Sir Evelyn Wood), investigation resulting in the discovery of a leaky milk cooler. This report secured the confidence of the board for the investigator. Next he tackled the analytical methods then in use for examining condensed milks. Not being satisfied with his results, he had a special sample prepared, the constituents of which were carefully checked as introduced. Dividing a sample into three parts, he sent two to well-known public analysts. His own results were as near as any of them, but all were wide of the mark, the difficulty being particularly in the presence of both laevorotatory and dextrorotatory sugars. After much research he devised a new process, which gave more satisfactory results, and being the only chemist in the country with practical experience in the actual manufacture of condensed milks, he was for a short period a recognised authority upon this branch of work. The work brought him into close contact with dairy farming, and for a time afforded a healthy change from his indoor shop life. Unfortunately the surrounding country was mainly arable land; after a few years the factory was closed, owing to the difficulty in getting the contractors to give sufficient care in feeding their herds. The work for a time proved an interesting and remunerative side-line, and on various occasions he was called as an expert witness to law courts and coroners' courts. In some cases the solicitors objected to paying full fees, on the grounds that a shopkeeper was not entitled to professional fees. The witness replied that he was proud of his shop and saw no reason why shopkeepers should undercut professional men's legitimate charges; and he secured his fees.

LEISURED MEN'S HOBBIES

Among the friends and customers of the Back Number was the late Sir Mountstuart Grant Duff (of "Diary" fame), one of whose hobbies was the collection of precious stones. He commissioned the chemist to fit him up a cabinet, with the necessary appliances for taking the specific gravity of his gems. The *modus operandi* was to float the stone upon the surface of a solution of cadmium borotungstate. Then, having very cautiously reduced the strength of the solution by adding distilled water drop by drop, the point when the gem sank to the bottom was noted, and the gravity of the solution was taken by means of hydrometers. The cabinet having been completed, his friend called to test it, bringing some stones with him, among them a valuable specimen of alexandrite. Proceeding to pack up the apparatus, the alexandrite had disappeared. After a minute and careful but futile search of the floor and table the situation became unpleasant, but by a fortunate inspiration the writer held the bottle from which the solution had been emptied up to the light, and looking through the mouth of the bottle saw the alexandrite suspended from the bottom of the bottle in a drop of the solution. It required a good shake to liberate it.

One of his earlier photographic customers, a wealthy man, instructed the writer to fit him up a photographic studio. After the studio was completed, he ordered a second whole-plate camera, exactly similar to that with which the studio was equipped at a cost of some thirty pounds, and presented it as an acknowledgment of the trouble taken in initiating him into the art. Soon after the completion of the studio, the customer had a bad accident through a trap he was driving overturning. A few days later a footman called at the shop to say that his master would be glad if the writer could drive back with him, as he wished to see him. Having agreed to do so, the footman produced the dark slides from the studio camera, requesting that they should be fitted with plates. On the way they passed the doctor, who gave a broad grin as the traps passed one another; there was evidently some mystery involved in this visit. On proceeding upstairs, carrying the slides, the patient's wife descended, with a certain air of secrecy. The chemist was received by the nurse, when the mystery was solved. The patient's hair had been completely shaved off, and upon returning to consciousness he had at once demanded a looking-glass, and later insisted that a photographer should be sent for. The doctor negated this request, but the patient side-tracked everyone by requesting that

his friend the chemist should be sent for. The negative proved successful, and numerous prints were made by a professional photographer.

The discovery of Röntgen rays attracted many pharmacists. A lady having offered to pay the cost of the necessary apparatus, if someone could be found to pioneer x-ray work at the local country hospital, the Back Number was approached by the board of governors. It happened at the time when the South African War was proceeding, and very soon a request was made for the writer to extend his work to a large military hospital in the district. Shortly afterwards, the modern methods of sight-testing were placed upon a practical footing. The pharmacist seized the chance of adding yet another side-line, which continued to yield satisfactory results until he finally relinquished the business. Unfortunately, though an increasing number of chemists were gradually taking this work up, the supply did not equal the demand, and classes were founded to which all and sundry were admitted. We must not overlook the fact that assistance of the greatest importance has been rendered in the development of the science of chemistry by pharmacists. For a long period the laboratory of the Pharmaceutical Society was one of the only two laboratories providing training in modern chemistry. Sir William Tilden was the demonstrator in this laboratory, and later became one of England's foremost chemists. W. A. Shenstone, who later followed him as a demonstrator and afterwards became Sir William's assistant at Clifton College, carried the production of silica for scientific and commercial use through some of its most important stages of development. In this connection may also be mentioned Allen, Stoddart, Carteighe, Harrison, Daniel Hanbury, Brady, Dr. Claridge Druce, and Mr. E. M. Holmes. Nor must we overlook Dr. Martindale and his late father, who have provided the medical profession with perhaps its most useful book for daily reference. The Back Number was examined in botany at Bloomsbury Square by Corder, of Norwich, in his day a widely known field botanist. As the examination quickly resolved itself into a pleasant conversation upon the field botany of the examinee's district, it proved a very pleasant interlude in the day's proceedings.

PUBLIC LIFE

Prior to 1862, the only companies which existed were those like the mediæval guilds, authorised by charters or statutes, and were, like our Pharmaceutical Society, limited by the terms of these charters or statutes. But the Companies Act of 1862 quickly caused a complete revolution in our industries and in trade, though the full effects were not felt until the eighteen-seventies. The Pharmaceutical Society apparently overlooked this Act when pioneering the Pharmacy Act of 1868. Large emporiums and co-operative concerns also appeared upon the scene at this period, and a complete transformation of our business system resulted. Nevertheless, chemists' businesses run more or less upon the old lines were not completely smothered. In earlier times what is known as "position" was possibly not such an important element in success as in the present day. When a young man takes over a business carried on by his ancestors he incurs a risk of being expected to commence where his father left off, to take over not only the business but the public duties which are apt to fall to the old-established business men. Upon returning from a holiday, the Back Number, then quite young, found that in his absence he had been appointed overseer for the principal parish in his town; his only escape would have been to have paid a fine. Fortunately, while the office entailed considerable responsibilities, the actual work devolved upon a paid assistant, and the accounts were audited by a Government auditor. The experience gained was of some value. Then other minor offices followed, and before many years had passed he was a member of the Town Council. Public office has its credit and debit side. The man who shuts himself completely up between the four walls of his shop, coming little in touch with the outside world, is apt to lag behind in the matter of adapting himself to changing times; but he who keeps in close touch with outside business activities in his leisure, if careful not to relax in the conduct of his private business, gains much useful knowledge and experience. Credited with being a man

of scientific attainments, the writer soon found himself chairman of the museum and muniment committee, an interesting position in a borough abounding in historical tradition. Having received his education at the local Grammar School, he willingly became a member of its governing body; when technical education became the order of the day he was co-opted to the county education committee. When he retired from the borough he left behind him a technical school with special provision for pharmaceutical students, public library, public park and gardens, and a death rate which had fallen from twenty to eleven in the thousand, with rates at 8s. 6d. in the £. Upon one occasion a small party visited the house in which Gilbert, the founder of the modern science of electricity, lived. The late Lord Rayleigh and Lord Kelvin were among this party, and the Back Number photographed these two greatest electricians of his own time standing on the doorstep of their Elizabethan predecessor. Many years later the writer presided at a very small meeting at which the Gilbert Club was wound up, after having accomplished the work for which it was founded, including the publication of an English translation of Gilbert's "De Magneto."

OTHER INTERESTS

In those early days the glossiest silk hat and frock or morning coat, with fancy waistcoat and striped trousers for dandies, were the rule for Sunday in country or town. Fortunately, the top hat is an excellent substitute for the tin vasculum. But, alas! on more than one occasion, returning from a fine country ramble, the Back Number happened to find himself among the church parade. Off came his top hat to a smartly dressed lady friend, and with it a shower of green weeds, disclosing what undoubtedly many of the regular church attenders regarded as a misspent Sabbath. Having familiarised himself with the flora and interesting features of the country within walking distance of his town, the safety cycle with Dunlop pneumatic tyres conveniently arrived. (The earlier boneshakers, followed by the penny-farthing or ordinary bicycles, were not a practical proposition to a responsible pharmacist.) Thus the writer became a recognised authority on the flora of his district, and was invited to become a Fellow of the Linnean Society of London. He has served on the council of a county naturalists' society, which has accomplished much work and numbered among its members many distinguished scientists, for fifty years, and also in the office of Vice-President. He has also contributed from time to time to pharmaceutical literature, to the Victoria County History, to the Journal of the Linnean Society, and to the "Essex Naturalist," a publication which for nearly fifty years has issued a record of everything of scientific interest connected with his native county. In the evening of his life he feels no regret at having been born a pharmacist. It is true he has not made a fortune, but the old dictum that "Man wants but little here below, nor wants that little long" applies, and it is with some satisfaction that he looks back upon a long, active and happy time.

Changes have taken place all through our manufacturing system. Pills are now made in hundredweight lots. Mass production is the order of the day. The standard of living has considerably risen in recent times, and personal service is now an expensive luxury. No doubt we may look forward to further revolutionary changes.

'Tis a very nice world that we live in,

To give or to lend or to spend in;

But to beg or to borrow or to get a man's own,

'Tis the very worst world that ever was known.

To secure our own it is useless to expect the machinery of the old individualistic times to prove effective in these days of highly organised social and industrial conditions. But there is still time to expand and revise our organisations, and to recover lost ground. It appears to an old pharmacist that the wheel of time has once more landed us into conditions in which it is very necessary to organise ourselves. Having travelled far upon the journey of life, and found it in the past a happy venture, he would much like, during the few years that remain to him, to see the pharmacy vessel re-equipped, and once more in fair sailing condition.

Personalities

MR. G. R. JONES, chemist and druggist, Llanrwst, has been elected a member of the Urban District Council.

MR. S. C. ROWLAND, chemist and druggist, Whitechurch, Shropshire, has been elected a member of the Urban District Council.

MR. W. HUDSON, chemist and druggist, Skegness, has been elected to the Urban District Council, of which he was formerly a member.

MR. T. R. MILBURN, chemist and druggist (Milburns, Ltd., chemists), Newcastle-on-Tyne, has been elected to the local board of guardians.

MR. T. G. LAWLEY, chemist and druggist, 49 High Street, Stone, Stafford, has been appointed to represent Ayrton, Saunders & Co., Ltd., manufacturing chemists, Liverpool, on the territory previously covered by Mr. E. W. Thomas, who has entered the retail business (p. 516).

In addition to the letter of thanks from the recently elected members of the Executive Council of the Retail Pharmacists' Union (*C. & D.*, April 3, p. 505), Mr. Wm. Forster, Ph.C., Seaham Harbour, and Mr. H. Gilleghan, Leeds, wish to express their thanks to the electors whose votes ensured their return.

MR. FRANCIS T. DODGE, who was well known to English essential oil buyers during his nine years' stay in London, as manager of the London Branch of The Dodge & Olcott Co., essential oil distillers and merchants, New York, was recently elected President of the company. Mr. Dodge returned to the United States in 1921.

On the retirement of Mr. E. H. Kellam, chemist and druggist, Beccles (p. 516), the men's adult school presented him with a framed illuminated address in gratitude for his long service as Vice-President, treasurer, and leader. To Mrs. Kellam the women's school presented a leather handbag and silver fruit knife in appreciation of her many years' service.

MR. D. JACKSON, chemist and druggist, Wednesbury, has recently resigned from the West Bromwich Guardians, of which he has been a member since 1913, on account of business reasons. Mr. Jackson has lately been presented by the members of the Primitive Methodist Church, Vicar Street, with a silver-mounted walking stick in appreciation of twenty-five years' service.

Wills

MR. THOMAS ALBERT STEAD, chemist and druggist, 66 Henry Road, West Bridgford, who died on January 1, left estate of the gross value of £3,969 13s. 6d., with net personalty £2,640 1s. 8d. Probate has been granted to his son Mr. Charles Slater Stead, and his daughter, Miss Laura Cowburn Stead.

MR. WILLIAM MILLER, chemist, Thistle Bank, Cadzow Street, Larkhall, of The Larkhall Apothecaries Hall, Ltd., who died on November 17, left personal estate in Great Britain valued at £1,819 8s. 5d. Probate has been granted to Dr. Thomas McNay, Dalveen, Larkhall, and R. McMillan, and Jean Brown Russell Miller, daughter of the deceased.

MRS. SARAH KAY, Charlestown House, Davenport, Stockport, and Colby Lodge, Amroth, Pembroke, who died on January 22, left estate of the value of £24,714 16s. 4d., with net personalty £24,657 9s. 4d. Probate is granted to Gladys E. Crosland, Moberley, and Florence S. Mason, Bramhall, daughters, James C. H. Crosland, son-in-law, and Dr. James H. Smith, Stockport. She gives £500 in trust for augmenting the stipend of the Vicar of Amroth, Pembroke, £100 to the Vicar of Amroth, for deserving poor of the parish, £100 for the upkeep of the Parish Church, and £100 for the Parish District Nursing Fund, £100 to the Vicar of St. George's Church, Stockport, for the upkeep of the Church, and the executors may expend £200 for a reading room at Amroth. Subject to the payment of a few other small legacies the residue of the property is to be divided between her children Samuel Vernon Kay, Mrs. Crosland, and Mrs. Mason.

Births

Notices for insertion in this column must be properly authenticated.

MANN.—At a nursing home, West Norwood, London, S.E.27, on April 1, the wife of Clifford Mann, chemist and druggist, 181 Knight's Hill, of a daughter.

RUSSELL.—At "Seaview," Shore Road, Stevenston, Ayrshire, on March 26, the wife of John Russell, chemist and druggist, of a daughter.

WHITEFORD.—At 140 West King Street, Helensburgh, on March 30, the wife of Alexander M. Whiteford, chemist and druggist, of a son.

Marriages

NETHERWAY — BROWN.—At St. Michael's Church, Cricklewood, London, N.W., on April 3, Stanley Maurice Netherway, M.P.S., only son of Mr. John Netherway, director of Allen & Hanburys, Ltd., London, E.2, to Joyce Vallé, youngest daughter of the late Mr. James A. Brown and of Mrs. Catherine A. Brown, formerly of Tunbridge Wells, Kent, now of Cricklewood.

WHITNALL — MILLER.—At Trinity Presbyterian Church, Grahamstown, Cape Province, on March 11, Eric Charles Watson Whitnall to Jessie Caldwell Livingstone, chemists' assistant, daughter of Mr. J. E. Miller, chemist and druggist, Grahamstown.

Deaths

FOARD.—At 1 Melton Grove, West Bridgford, Nottingham, on March 26, suddenly, Mr. John Foard. Mr. Foard had been with Boots, Ltd., from an early period in the company's history, and for nearly thirty-six years was on the Pelham Street staff.

GEORGE.—At Llantood, Pembrokeshire, on April 1, the mother of Mr. David George, Ph.C., 203 Ystrad Road, Pentre, aged ninety-five.

HEAD.—At 31 High Street, Lewes, on March 27, Mr. John Turner Head, chemist and druggist, aged eighty-eight. Mr. Head was the eldest son of the late Mr. John Head, to whose pharmacy he succeeded.

RUSSELL.—At Greenock, on March 30, Mr. James Anderson Russell, chemist and druggist. Mr. Russell qualified in 1890. At the Glasgow meeting of the British Pharmaceutical Conference in 1897 he was secretary of the Local Committee, on which occasion his portrait was given in *THE CHEMIST AND DRUGGIST* (II, 1897, p. 161).

SCHOLEY.—At Burnham Market, Norfolk, on March 30, Mr. John Scholey, retired chemist and druggist, aged sixty-seven. Mr. Scholey, who carried on business at Burham for a long period, retired last year.

SMITH.—At his residence, 4 Croxteth Drive, Liverpool, on April 1, Mr. Andrew Thomas Smith, J.P., managing director of The Castner-Kellner Alkali Co., Ltd., aged sixty-two. Mr. Smith, who was educated in Liverpool, began his career as a shipping agent. He subsequently joined the firm of Pilkington, chemical manufacturers, which was eventually absorbed by The United Alkali Co., Ltd. Mr. Smith was appointed managing director to The Castner-Kellner Co. in 1916, after being general manager to the company for some time. He was also a director of Brunner, Mond & Co., Ltd., The Electric Bleach and By-Products, Ltd. (of which he was chairman), and The Synthetic Ammonia and Nitrates, Ltd. Mr. Smith did useful work as a member of the Cheshire County Council, and was at one time chairman of the Runcorn Urban District Council.

TAPLIN.—At Kew, on April 6, Mr. Thomas J. Taplin, produce broker, aged seventy-one. Mr. Taplin was well known in Mincing Lane as the market representative of Slann & Davies, with whom he had been associated about twenty-three years, devoting himself chiefly to the drugs and Chinese produce departments. Mr. Taplin entered in the Mincing Lane produce trade in 1872 and was formerly associated as market clerk with Brookes & Faith (later Brookes & Green) and Lewis & Peat.

Westminster Wisdom

Notes on Parliamentary Matters

BRITISH ARMY DISPENSERS

Sir P. Dawson asked the Secretary of State for War, on March 26, how many men in the British Army hold the Army qualification of dispenser; and how many of these Army dispensers are actually employed at the present time in dispensing duties?

Sir L. Worthington-Evans: The number of soldiers serving in the Royal Army Medical Corps who hold the Army qualification of dispenser is 552, of whom 193 are employed on dispensing duties.

Sir P. Dawson also asked how many soldiers presented themselves at the examination held during 1925 for the qualification of Army dispenser; and how many of these candidates failed to pass the examination?

Sir L. Worthington-Evans: The total number of soldiers who presented themselves during 1925 for the examination in question was 221, of whom eighty-four failed to pass.

CALCIUM MOLYBDATE

Mr. Cecil Wilson asked the President of the Board of Trade on March 30 whether, under Part I of the Safeguarding of Industries Act, calcium molybdate is treated as an analytical reagent or a crude commercial product.

The President of the Board of Trade: Calcium molybdate is included without qualification in the list of articles issued under Section 1 (5) of the Safeguarding of Industries Act, and all forms of this chemical are therefore treated alike under the Act.

Mr. Wilson: May I ask whether in the Order to which the right hon. gentleman has referred the list does not include simply analytical and synthetic organic chemicals and analytical reagents and refined chemicals, and how a chemical compound of this kind, used for trade purposes, can be included under any one of those heads?

Sir P. Cunliffe-Lister: No, Sir. I think if the hon. Member reads the answer I have given him he will see that it is included, and rightly included, under Section 1 (5).

Easter Flowers at Grasse

ONE so often hears it said that there are no wild flowers on the Riviera, that every inch of ground round Grasse is utilised for industrial flower-raising, etc., that the personal impression of an Easter visit may be recorded (writes a correspondent). Certainly, the masses of flowers that deck our northern woodland just now are conspicuously absent; but one can spend quite an interesting day in the amphitheatre-like valley between Grasse and Cannes, the novelty of the Mediterranean flora compensating for its comparative sparseness. I found the railway cuttings between these two above towns bright with the *Anemone stellata* ranging in shade from pure white to reddish purple; and the striking red poppy-like *A. coronaria* is quite common round Grasse. The double form of the *A. hortensia pavonina* is possibly an "escape," and a large white anemone exactly like *A. coronaria* I did not identify. Of the handsome *Cistus albidus* I saw a solitary specimen in flower, as the date is too early, but the plants are numerous. Another plant familiar to me at Montpellier was the grape hyacinth (*muscareli neglectum*), common here as in all the south. The fragrant little *Narcissus tazetta* was growing plentifully in some swampy ground near the coast. *Borago officinalis* and *Lamium maculatum* are common weeds, and grow everywhere. A spider orchis is often met with; milkwort, fumitory, periwinkle, sage, comfrey, star of Bethlehem, and other flowers familiar to Britons, need not be insisted on. But perhaps enough has been said to show that a walk anywhere off the great main roads need never be dull to anyone interested in botany. The trees are perhaps even more curious and novel than the flowers, but most of them are possibly better known; I saw the Judas-tree (*Cercis Siliquastrum*), now in blossom; the cork oak, the dwarf kermes oak, the evergreen oak, are all more or less common in the south.

Trade Notes

O-CEDAR, LTD., Slough, illustrate in their advertisement a striking counter stand which is presented with orders for O-Cedar Polish to the value of £1 net.

SWANDOWN NAMESAKE COMPETITION ended with that of the month of May. All coupons that remain over should be destroyed as they are no longer valid.

DARWIN BLADES are British-made razor blades advertised by Douglas Kirby & Co., Ltd., St. John's Lane, Gloucester. The company will send their list of razors and blades on application.

CUTEX PREPARATIONS.—J. C. Gambles & Co., Ltd., 211-215 Blackfriars Road, London, S.E.1, have revised the prices of Cutex preparations as from April 1. The new lists are being sent to every chemist.

AYRTON'S FRUIT SALINE. — This saline, as stated last week in the advertisement of Ayrtton, Saunders & Co., Ltd., is put up in one size only, but it was not stated that this is an 8 oz. size. This is important when a comparison of values is being made.

PYRAMID SHOW-CASES.—New Way Equipment Co., 254 Gray's Inn Road, London, W.C.1, supply the improved pyramid show-cases that are now being adopted as part of the modern fittings of a pharmacy. Some of these are shown in the company's advertisement in this number.

GLADYS COOPER'S BEAUTY PREPARATIONS, LTD., 550 Oxford Street, London, W.1, are starting an extensive advertising campaign of their toilet preparations. It is asked that chemists should carry sufficient stock to meet the demand which will arise for these goods. A price list with particulars of bonus offers has been published.

"TREASURE CAVE."—A clever advertising scheme is being carried out at present by F. C. Calvert & Co., Bradford, Manchester, in connection with Calvert's Tooth Powder. The advertisements offer a children's booklet, entitled "The Treasure Cave," to purchasers of Calvert's Tooth Powder. So great has been the demand that the firm are asking chemists to assist them in the distribution of the booklets, for which purpose a limited supply is sent to chemists who purchase Calvert's Tooth Powder, as the booklets are only to be given to the public who purchase the powder.

"THE PLOUGH."—There is excellent variety among the contents of the current issue (No. 3) of "The Plough" (Allen & Hanburys, Ltd.). Editorial remarks on the supply of A. & H. specialities to welfare centres are followed by articles on the company's most popular lines, in reference to the Labelling of Poisons Order; "Shop Lore"; the deterioration in drugs due to oxidation; and illustrated accounts of the Durban branch of the business and the manufacture of capsules at the Ware factory. Other items include "In Lighter Vein," "At the Sign of the Torch," and answers to correspondents.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

H/233. Apparatus for permanently tinting the complexion (electrical)	Y/303. Hocco brand solidified oil
Y/303. "Clemates" brand solidified oil	L/293. La Florencia Mercedes perfume
B/14. "Diana" slumber cap	B/14. Marcelette double hair wavers
B/14. "Glen Mills" toilet rolls	Y/303. Mercury brand white oil
M/313. Dr. Harvey's electric hair brush	J/74. Oxylax
D/74. Haemozoin.	B/74. Sels de Plomb Radifere. (English preparation)
	B/14. "Venus" slumber cap

INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4.

Anticalcaire. E/313	Theocinoids. E/64
Ingot brand soothers. B/14	Validol. S/313
Necol. M/14	Van Vleck's preparations. S/313
Phistol. E/313	

Observations and Reflections

By Xrayser III

Official Apologists,

as you point out (*C. & D.*, April 3, p. 492) continue to urge that the Labelling of Poisons Order is bound to be of benefit to pharmacy, and that for this reason we ought to put up with any inconvenience it may cause us. But the optimists in question do not condescend to tell us how pharmacy is to be benefited by this continual interference with our business by the Home Office. Probably the idea uppermost in their minds is that the more the distribution of poisons is controlled by regulations the less likelihood there will be of traffic in poisons by unqualified dealers in drugs and medicines. But if the sales by chemists are seriously diminished, and the trouble involved in effecting every sale is greatly increased, it seems to me that removal of competition by the unqualified will only result at an inordinate cost to ourselves. Apart from this, there can be no question that reform in the procedure which has been forced upon us is seriously called for. While every one of us may be disposed to do our utmost, in the public interest, to conform to all reasonable regulations, we do want to know exactly where we are, and how to do what is really necessary without having to regard every single transaction as a serious problem to be solved.

An Extensive Schedule

of poisons, in which every poison is specifically named, would not be, in your opinion, a very practical thing. I venture to suggest, however, that we ought to have a Schedule in which as many as possible of the poisons should be named, and that any "omnium gatherum" clauses should be so worded as not to require experts to interpret them. Some words in the existing Schedule were inserted with the object of providing for the possibility of new synthetic substances of a medicinal yet poisonous nature being discovered and placed upon the market. But surely such new substances could be included in the Schedule quickly enough after they have been brought into existence. Our main trouble, however, is to know what existing substances are legally to be regarded as poisons, and the tangle in this respect needs to be cleared as quickly as possible. Years ago you rendered invaluable service to us by getting the authorities under the Medicine Stamp Acts to agree what names did or did not render medicines liable to medicine-stamp duty under the changed conditions brought about by a revised interpretation. Could not something of the kind be arranged now, on the basis of the excellent Poisons Cards you have produced for our service?

Sir William Glyn-Jones

has, I understand, returned to this country to make arrangements for resigning some of the appointments he holds in England, as he has been induced to accept a whole-time position across the Atlantic. This will doubtless involve the appointment of a new secretary of the Pharmaceutical Society, and I hope to learn that we are again to have our professional interests looked after by an official who is expected to give his whole-time services to the work. Without any reflection upon the service rendered to pharmacists in this country by Sir William Glyn-Jones, it is obvious that we ought to have as his successor someone who is prepared to give his entire attention to the affairs of the Society. If the change also results in some unlinking of the chain which appears to bind the Society to the P.A.T.A. and the R.P.U., so much the better.

Apprenticeship

has furnished Mr. H. N. Linstead with one of his latest topics, but I fail to find anything particularly helpful or hopeful in your report of his remarks at Scarborough (*C. & D.*, April 3, p. 498). He did point out that any further increase of stringency in the Preliminary examination would make it difficult to obtain apprentices in small country towns, but I should

like to know if it is easy to obtain them now in towns of any size. He also referred to the delicate subject of inspection of shops where apprentices are being trained. Some apprehension on this point appears to exist, and Mr. Linstead thinks such inspection would be bound to cause friction. If, as he suggests, the inspection would have to be done by the branches of the Society, there might be some risk of this, but why should it have to be done in this way? I can conceive of better ways of doing what is certainly likely to be required in many instances.

The Flowers of Spring

which, in this country, most thoroughly symbolise this season are the primrose and the daffodil. The very name of the former is regarded as proper to the time, meaning, as is commonly supposed, the first rose. As it bears no resemblance to a rose, it may be thought that the name is not appropriate; but the same objection applies to the winter aconite and to the rock rose. There is, however, a better reason for suspecting that "primrose" has some other derivation. In the Middle Ages the name was written differently; it took such forms as *primelore*, *primerole* and *primerolle*. Chaucer, in his description of a fine lady ("The Miller's Tale"), uses it thus:—

"She was a prymerole, a pigges-nye
For any lord to leggen in his bedde,
Or yet for any good yeman to wedde."

The primrose is called in the Grete Herball "the Pryme Rolles of pryme tyme, because it beareth the first floure in pryme tyme." Dr. Prior's statement of the way in which our word has been formed may be accepted as most likely. "Primerole is an abbreviation of Fr. *primerverole*, Ital. *primaverola*, dim. of *prima vera*, from *fior di prima vera*, the first spring flower. *Primerolle*, as an outlandish unintelligible word, was soon familiarised into *prime rolles*, and this into *primrose*." There is much evidence to show that the plant we call the primrose was not always the same plant. It is easy to understand that the cowslip was so named, and it is just as easy to understand that the daisy, in many of the old treatises, was named *primerole*, the first flower of spring. The privet also bore this name, even down to as late as the seventeenth century.

A Curious Superstition

concerning the primrose prevails in some of the Western Counties; if a few primroses are brought into the house it bodes ill for the farmer's broods of chickens and young ducks, whereas a large bunch of primroses assures that the hatching and rearing of these birds will be satisfactory. On the eve of May Day (Walpuris night) the witches are particularly active among the cattle; to prevent their raids the Irish herdsman uses primroses to counteract their efforts by scattering the flowers across the threshold. The use of primroses in salads is not uncommon. Disraeli in his "Lothair" makes one of his characters say: "Primroses make a capital salad." In medicine this plant has never been of much repute. Gerard tells of a physician who was successful in curing a "phrensy" by employing a compound infusion in which the leaves and flowers of the primrose were the chief ingredients. He also says that the juice of the root when sniffed up the nostrils "purgeth the braine, and qualifieth the payne of the megrim." This observation has been copied into most of the medicine books of later years. From a MS. in the Harleian collection in the British Museum it appears that it had other medical uses, as may be seen from these recipes:—

"For man or womman that lesethe his speche for seknes—Take the Ius of sauge or ley a lef undyr his tonge, or of primerole, and do it in his mouth, and he schale speke." "For him that may not wel speke—Take the Ius of primerole or of sauge and put it in his mowth."

"For the schakyng of hede and of handes" it (the whole plant with the root) was incorporated with a number of other ingredients in an ointment "to anoynte the nekke and the synwes and the veynes and the Ioynytes of the handes."

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Editorial Articles

Royal Commission on Health Insurance

II. Public Health

WE have considered those portions of the report which have a direct bearing on the pharmaceutical service, and will now turn to the general questions which are discussed therein, and which may be of interest to chemists. There appear to be two main considerations which have guided the Commission in its deliberations and conclusions. One is to prepare the way—as far as Health Insurance administration is concerned—for the unification and co-ordination of the whole of the public health services of the community. The other is to extend and enlarge the scope of National Health Insurance so as to make available for the insured population benefits of a medical-treatment nature other than those to which they are at present entitled. We may consider the first of these here. In section D. (p. 55) of the report the interrelations of all the public health services are referred to, and the conclusion is arrived at that "in any further developments the need for close co-ordination between the health work within the Insurance scheme and that outside it must be continually kept in view." The ideal aimed at is to be "a carefully built-up service organised on a single local basis, in which all varieties of preventive and curative work find their appropriate place." The statements of various witnesses are quoted at some length in the report

to show that overlapping occurs between the medical benefit of the Insurance scheme and other existing forms of medical service, and in paragraph 120 the Commission states that "whatever may be the changes which are made in the Insurance scheme in the near future the trend of development will be towards a unified health service." Therefore it seems to follow that (paragraph 125): "If there is to be a concentration of local health functions in the hands of a single authority the powers and duties of the Insurance Committee would naturally pass to that authority . . . there is not now work of a quality or volume to justify their separate existence." On the future of these Committees, therefore, the Commission makes a definite recommendation, as this matter comes within their terms of reference:—

Insurance Committees should be abolished and their work should be handed over to committees of the appropriate local authorities with possibly a co-opted element. . . . As to what is the appropriate local authority, this question is dependent on the results of the deliberations of the Royal Commission on Local Government which is now sitting. Until the lines on which the general framework of the local government of the country is to be remodelled are known, any specific recommendations would be useless.

The Commission, however, recognises that complications may arise by transferring Insurance administration to a local—and rate-aided—authority. Earlier in the report the Commissioners have considered the restricted question of maternity benefit, and have suggested (paragraph 114) that "the present elements of maternity benefit should be ultimately dissociated from each other . . . cash payments should be separated from the medical, nursing and institutional services provided . . . the former should continue to be administered by approved societies . . . the latter would be provided as an integral part of the medical service administered by the local authority." These conclusions on this particular question prepare one for those reached by the Commission upon the much larger and more general issue—namely, the provision of a complete medical service for the whole community and the relation of the Insurance service thereto. After considering the range of services which are at present provided by six or more separate organisations, the Commission makes (paragraph 138) the following statement:—

In particular we feel sure that the wider the scope of these services the more difficult will it be to retain the insurance principle. The ultimate solution will lie, we think, in the directions of divorcing the medical service entirely from the insurance system and recognising it along with all the other public health activities as a service to be supported from the general public funds. Consideration would have to be given to the question of the classes of society for whom the service would be available and whether it should be so available on a free basis or with payments by insurance or otherwise. These, however, are problems which need not—perhaps cannot—be solved now, but may be fitly left over for those who, unlike us, will approach at close range to the great question of the public health service of the future.

It is worth while considering this matter at some length, because chemists, by the very nature of their work and training, are bound to be involved in and considerably affected by any future developments of the public health services. Although somewhat outside its reference, the Commission has considered the relation of the various services to each other. It refers to the medical service provided by poor-law authorities, medical treatment for school children by the education authorities, and the whole group of services dealing with what is known as public health—e.g., sanitation, infectious diseases, venereal disease, tuberculosis, port sanitary services, and maternity and child-welfare services. In this question, as in all questions affecting public policy, the nature of the arrangements to be made and their

scope depend upon the money being forthcoming to carry them on. So far, the cost of Insurance work has been met in part out of special Insurance funds obtained by national taxation; the other public services have been paid mainly from funds raised by local rates. The following extracts will make the difficulties of the situation more apparent:—

Much of the evidence we have received on the general subject with which we are now dealing has been directed towards two highly important problems, namely, the classes of persons for whom the public and insurance medical services should be available, and the manner in which the costs of such services should be met. At one extreme are those who would limit the services strictly to the necessitous and finance them from public funds, leaving the rest of the population to make their private arrangements. At the other are those who advocate the provision of a complete service for the whole population without distinction of class or means, the cost being defrayed entirely from Exchequer grants and local rates. [Paragraph 127.]

Between these extremes lie those who would retain the insurance principle as a means of raising part of the necessary funds and would weave it, in some way not very clearly defined, into the financial web. For example, the British Medical Association contemplate a line drawn horizontally across the structure of society. Above that line everything is to be left to private effort, except those services which are of a public health character in the strictest sense. Below that line they would admit a comprehensive service embracing all medical elements and incorporating all the activities of the local authorities which stand at present apart from the insurance service. [Paragraph 128.]

Such a scheme would be broader than the present scheme of Health Insurance, as it would ignore the distinction between those employed under a contract of service, and those working on their own account who are at present outside the scope of the Acts. This scheme would, moreover, include the dependants of both these classes. [Paragraph 129.]

Another witness makes the following statement: "My own personal predilection would . . . be in favour of abandoning altogether any attempt to base a national medical service on insurance funds, to abolish medical benefit altogether, relieving the Insurance Act contributions proportionately, and to finance a national medical service out of taxation, national and local. . . ." [Paragraph 131.]

We have mentioned these problems in a general way because, although they are not of immediate practical importance, we feel sure that sooner or later they must be faced. Having indicated our views on the need for effective co-ordination of all the health services, whether at the centre or in the local administration, it is sufficient to leave particular problems, and especially those of a financial character, to be solved in the light of the developments of that considerable period which must elapse before full effect can be given to the general principles we have enunciated. In the circumstances of that time, financial considerations may have emerged, and social conditions may have changed, in a way that is difficult to forecast, and anything we may say now must necessarily be thus qualified. But, if we may venture to pronounce on this matter, we are of opinion that the difficulties of a composite support to a completed medical service from insurance funds as well as from grants and rates would be so considerable alike in their financial, administrative, and social aspects that some more practical solution must be sought. [Paragraph 133.]

Then follows the opinion we have already quoted, that the medical service will be divorced ultimately from the Insurance scheme. In passing, we may refer to the comment by the Commission on the future of the local professional committees: "We do not doubt that they will be continued in any immediate developments; and we see in them the hint of a local professional committee working side by side with the single local authority" (paragraph 126). The whole question of personal health is rapidly ceasing to be one for the individual only; it has, in fact, already assumed a national importance. Legislation dealing with health matters does, incidentally we might almost say, assist the individual; but largely

and chiefly it is designed to protect the community. Even so there may come a point at which the interests of the individual and the State do not march together. What may be of immediate benefit to the individual may not be for the ultimate good of the State, for the preservation of a large number of sick persons may be inimical to the well-being of the community. These and similar considerations are put forward in a statement of reservation by two members of the Commission, Sir Andrew Duncan and Professor Alexander Gray—a statement worthy of careful consideration by all connected with public health work.

Sharp Reaction in Antimony

DURING the last few weeks the downward movement in antimony prices, both regulus and crude, has been pronounced, and the position is as unsettled and obscure as it can be, in consequence of the generally freer offers reported from China and the holding up of the American and European demand. Conditions have been entirely changed since we commented upon the situation in our issue of January 9 (pp. 85-86). There is ample evidence that the recent sharp reaction has been brought about as a result of the artificial conditions existing in the earlier part of this year. While China has apparently but little to fear from outside competition such as might interfere with her well-established monopoly, the inflated prices, nevertheless, have encouraged the consideration and even the taking up of new schemes in North and South America for developing mining resources. There may be some truth in the report that the larger Chinese producers have again forced a downward movement in prices in order to discourage outside competition. History in that respect would seem to be repeating itself. China, at any rate, has the market position well under control. We pointed out in January the remarkable fact that c.i.f. terms from China were closely in line with the spot price. Stocks in China were then rigidly controlled, and as a result some of the dealers there, and elsewhere, who were short, were practically ruined. In sharp contrast to such a state of affairs, c.i.f. terms from China lately have dwindled to a very wide discount on the terms ruling on the spot or for near at hand parcels. The disparity, indeed, has had the more depressing effect on the state of the market, and holders' offers lately have been ignored in the New York, London and Hamburg markets. The last-named centre, it may be noted, had been holding an accumulation of both Chinese regulus and crude metal. Last year, the rise was pronounced, covering about £35 per ton for English regulus as well as Chinese, while appreciation in crude metal was also noteworthy, and this was followed by a further rise at the opening of this year. The following quotations give some idea of the remarkable course of the market in regulus and raw materials since October 8, 1924:—

	Oct. 8, 1924	Jan. 2, 1926	April 1, 1926
Per ton	£ s.	£ s.	£ s. d.
English regulus ..	55 0	105 0	94 10 0
Chinese regulus spot ..	47 0	100 0	95 0 0
Chinese crude spot ..	30 0	65 0	81 0 0
Antimony ore 50 per cent. sulphide (per unit) ..	0 6	0 8	0 7 3

There has thus been a decline in the price of spot Chinese regulus of about £19 per ton from the figure current on January 2, while the spot quotation for crude dropped £11 to £54; c.i.f. terms for future shipment have also collapsed in the neighbourhood of £65 for regulus and of £44 for crude. The market has thus drifted rapidly into a most erratic and unsettled state; and with the demand practically in abeyance, quotations are chiefly nominal, and business a matter of negotia-

tion. Much the same applies to antimony ores, for which a brisk demand was experienced in the earlier part of the year on terms ranging as high as 9s. 6d. for 50 per cent. and 10s. 6d. per unit for 60 per cent. sulphide. Home smelters are still showing slight interest for the better grades of ores, but are not inclined to buy crude metal, even at the much reduced forward terms quoted. The American price for Chinese regulus, which in February touched 22c. duty-paid, dropped lately to about 18.75c. on the spot, while offers were reported from China c.i.f. New York duty-paid down to about 15c. per lb. American consumers have been looking on, but it is suggested that a fair amount of metal will be wanted this month. Stocks, although not excessive, are ample to meet all needs. New York arrivals for March amounted to about 400 tons, against 800 tons for February, and roughly 1,200 tons for January. According to the Customs daily returns, about 8,340 tons of regulus were shipped from Hankow (China) during 1925, of which 200 tons went to Chinese ports partly for native use, 3,650 tons to America, 1,450 tons to Germany, 1,850 tons to Great Britain, 760 tons to France, 110 tons to Belgium, 40 tons to Italy, and 280 tons to Japan. These figures, however, do not give the actual total of all the regulus shipped and passed through Hankow, as stated by the largest Chinese producers there. As practically all Chinese antimony comes from Yunnan, it is contended that the Changsha statistics should be taken as a basis. These therefore showed total exports of 15,358 tons for 1925, which evidently included previous accumulations. Based on the daily returns of Customs at Hankow, the total of crude shipped from that centre amounted for 1925 to 1,783 tons, and Germany was the largest consignee at 644 tons, while 458 tons came to this country; 462 tons went to France, and only 157 tons to America, the small balance having gone to other ports. These returns also differ materially from the Changsha statistics, which amounted to 2,792 tons. The supply of crude became much more plentiful in the latter part of last year, and it may be noted according to a report that mine-owners were tempted by the inflated price to exploit old mines which did not pay when the value was low. There is thus no doubt that since the price has dropped materially, the output of crude will again fall off. This year's China output is hardly likely to be larger than that of last year, which is a point to bear in mind.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Distinctive Cork.—A cork to be used for medicine bottles, provided with two or more prominent pointed projections cut in the cork. (Annie S. Alexander. 248,678.)

Foot-and-Mouth Disease Remedy.—An aqueous solution of sugar of lead and litharge is mixed with a solution of alum, and the resulting liquid is applied to infected animals with a brush. Boric acid, or citronella oil, tincture of eucalytus, etc., may also be added to the solution. (A. van der Wal. 247,018.)

Bottle.—A bottle provided with an interior container, in the form of a tube closed at one end, acting as the receptacle for the substance to be dissolved, passing through the neck of the bottle and held in position by a flexible means, constituting the common covering for the bottle and upper, open end of the container. On exerting pressure on the cap, the tube drops into the liquid, ensuring solution of the contents without the access of air from outside. (C. A. Kahlbbaum, Chemische Fabrik, G.m.b.H. 248,603.)

Pharmaceutical Society of Great Britain Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on April 7, Mr. Philip F. Rowsell (President) in the chair.

DEATH

The PRESIDENT made sympathetic reference to the death of Mr. Anderson Russell, which occurred at his residence in Greenock on March 30. Not only was Mr. Russell greatly interested in pharmaceutical matters, but he also displayed much activity in public affairs. A man of very pronounced opinions, his views always commanded the utmost respect from his fellow-townsmen as well as his fellow-craftsmen.

Mr. GUTHRIE said he had learned of Mr. Russell's death with the greatest regret, although he knew that he was in a very bad state of health. Part of the time that Mr. Russell had given to pharmacy he had spent as a member of the North British Executive. When he was in Glasgow Mr. Russell was an active member of the local association. All through his career he had found time to devote to the public good, and was well appreciated in Greenock.

MR. KEITH'S ILLNESS

The PRESIDENT said he was sorry to have to apologise for the absence of Mr. Keith owing to illness, and expressed the hope that he would soon be restored to his usual good health.

RESIGNATION OF MISS BUCHANAN

The PRESIDENT said he regretted that the hopes with regard to Miss Buchanan had not been fulfilled. She was still in the doctor's hands, and would be for some time. Miss Buchanan had sent a letter which included the following passage:—

Needless to say, I shall miss immensely the meeting with you all, month by month, and also any little work that I may have been able to do; and I should like to express to all my fellow-members of Council (including yourself) and to the staff my thanks for their unvarying kindness, courtesy and consideration whilst I have been amongst them. I only wish that it had been possible to do more than I have for the cause of pharmacy, for I am very conscious of deficiency in that respect—but I shall always be glad to have been associated with the Council for seven and a half years, and especially during the time when the new educational scheme came into being.

The PRESIDENT said they would all regret very sincerely Miss Buchanan's resignation on account of ill health. At the same time they hoped that her illness would not be of very long duration, and that she might be restored so that it would yet be possible for her to take her place in the Council on some future occasion. Members of the Council would desire to set on record the splendid service Miss Buchanan had rendered to the Council. The President recalled that Miss Buchanan had served pharmacy and the Council extremely well in Canada during her visit to the Dominion.

The VICE-PRESIDENT, seconding, said Miss Buchanan had taken a very great interest in the work of the Society, and had devoted much energy to the propaganda on behalf of the Benevolent Fund, which had been successful in raising a large sum. Miss Buchanan commanded the respect of all who knew her, and they very much regretted her resignation and the reason that had necessitated that step. The resolution was carried.

OPENING OF THE PHARMACOLOGICAL LABORATORIES

The PRESIDENT announced that the official opening of the pharmacological laboratories would take place in the afternoon of the next Council meeting day, and they had secured the presence of the Minister of Health, Mr. Neville Chamberlain, to perform the ceremony.

ELECTIONS AND RESTORATIONS

Fifty-four persons were elected members of the Society and fifty-five persons as student-associates. A number of persons were restored to the Register, and twenty-eight persons to the Society. The registrar

reported that 179 persons had been registered as apprentices or students.

COUNCIL ELECTION

The secretary reported that thirteen nominations for the seats falling vacant on the Council had been received, and that the following nine nominees had signified their willingness to accept office if elected:—

Barrs, Percy	Lloyd, Henry Morgan
Bilson, Frederic Eastall	Melhuish, Andrew Ralph
Hines, Frank Gladstone	Rowsell, Philip Foale
Humphrey, John Thurlbeck	Simmons, Edward Harry
Keith, Alexander Reid	

The following nominees had not expressed their willingness to accept office:—

Cofman-Nicoresi, Jules	Lawman, Frederick Albert
Johnson, Alec Samuel Will	Lloyd, Herbert Oliver

CORRESPONDENCE

The Exeter and District Branch wrote calling attention to the alleged laxity of local authorities in granting licences for the sale of agricultural poisons. The resolution was referred to the Law Committee.

The Pharmacy Board of Tasmania sent a letter approving of the action of the Pharmaceutical Society in the matter of Pharmacopoeia revision, and endorsing the Society's letter to the Lord President of the Privy Council.

A letter was received from the Registrar of the Patent Office (Trade Marks Branch) intimating that the application for the registration of the word "Solisol" as a trade mark for disinfectants, to which the Society had objected on the ground of the word's similarity to "Lysol," had been withdrawn.

STORAGE OF PICRIC ACID

The Home Office wrote enclosing for comment a letter from the Retail Pharmacists' Union, suggesting that pharmacists should be able to obtain dry picric acid for dispensing purposes. The Council directed that a reply should be sent pointing out that it is necessary for a dispenser to be able to weigh out accurate amounts of picric acid, and that this cannot be done from the present damped powder. They suggested that the dry powder in quantities of less than one pound should be removed from the restrictions placed upon explosives in order that the requirements of both retail and wholesale chemists could be met.

RESIGNATION OF SIR WILLIAM GLYN-JONES

The following paragraph has been officially supplied:

In view of the urgency of a demand upon the services of the secretary in connection with the development of pharmaceutical organisation in Canada, involving in the immediate future his spending almost the whole of his time in that country, Sir William asked to be released immediately from his office of secretary and registrar. The circumstances which had rendered this step necessary were fully explained by Sir William, and on the motion of the President it was unanimously resolved to accede to the secretary's request, and to defer consideration of the appointment of a successor and of any arrangement whereby for the time being Sir William's services might be available to the Society in a consultative capacity until the next meeting.

EDUCATION COMMITTEE

The Education Committee submitted a report in which it was stated that a number of schools had been recognised for chemistry, physics and botany. With reference to the possibility of arranging a meeting of those interested in the educational side of pharmacy at the time of the British Pharmaceutical Conference, the Committee made the following recommendation:—(a) That a meeting to discuss educational questions affecting pharmacy be held at 4 p.m. on Monday, August 2, at Leicester; (b) that an invitation to be present at the meeting be extended to the following persons, if attending the Conference: the principal pharmaceutical teacher of institutions approved for the Chemist and Druggist Qualifying examination, members of the

Society's boards of examiners, members of Council; (c) that the chairman of this Committee preside at the meeting. The Committee suggested that invitations should be sent to those entitled to be present, inviting suggestions for subjects which should be discussed at the meeting. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £28 14s. 6d., amounted to £13,872 15s. 8d., comprising the following items:—Subscriptions, £5,632 4s.; examination fees, £5,930 8s.; registration fees, £283 10s.; restoration fees, £5 5s.; certificates of qualification, £1 19s.; School—Board of Education Grant, £332 4s.; Pharmacological Laboratories, £9 9s.; penalties, £92 14s. 6d.; "Pharmaceutical Journal," advertisements, etc., £1,349 2s. 8d.; "Pharmaceutical Journal," student-associates' subscriptions, £35 14s.; "Pharmaceutical Pocket Book," £28 5s. 11d.; Pharmaceutical Press publications, £5 9s. 11d.; "Registers," £31 19s. 6d.; "Year-Book," £14 0s. 4d.; "B.P. Codex," 1923, £69 4s. 9d.; interest on investments, £22 10s. 7d. Payments ordered at the last meeting amounted to £4,514 3s. 5d., and £9,350 had been transferred to the deposit account, leaving a balance of £8 12s. 3d. The balances on the other accounts were:—Benevolent Fund (current account), £35 18s. 4d.; Benevolent Fund (donation account), £37 9s. 3d.; War Auxiliary Benevolent Fund, £5 2s. 11d.; Orphan Fund, £24 7s. The report recommended that accounts amounting to £5,406 11s. 3d. be paid, and that the action of the secretary in making payments amounting to £865 3s. 5d. be approved.

An appendix to the report stated, *inter alia*, that in the accounts of the Society for the year ended December 31, 1925, the general fund revenue account, compared with that for 1924, shows increases in income amounting to £4,990, and decreases of £1,676. With the exception of the School and the B.P. Codex, the income under every head shows an improvement, and in most cases a substantial one. Under the head of expenditure the following new items appear: New by-laws, £497; League of Ex-Service Pharmacists, £289; Pharmacological Laboratories, £17. The only large addition to any permanent form of expenditure is under the head of examination expenses (£708), but this, of course, is a natural result of the increase in examination entries, and is more than covered by an increase in examination fees. The expenditure on "The Pharmaceutical Journal" shows a net increase of £570, chiefly on account of the extra cost of printing (£496) and contributions (£118). The income is £121 more than that for 1924, due to an increase in student-associate and general subscribers, and in the counter sales. The net increase in cost is £449, but the cost per subscriber is 13s. 9.2d., against 13s. 10.4d. in 1924. The smaller publications show, in the aggregate, an adverse balance of £387, against a surplus of £525 in 1924, a result which is accounted for by a drop in Codex receipts of £873. The expenditure on the School of Pharmacy is less by £400, and the income less by £800 than in 1924. Although a higher scale of fees will be in force for the session 1926-27, the income for the current year may be some £2,000 less than in 1925. The extra expense which this involves and the expenditure on the pharmacological laboratories are the only appreciable additions to expenditure to be anticipated in the current year at present. Against these the surplus for 1925 and the non-recurrent expenditure during the year (in respect of new by-laws and central heating) represent a reserve of income of over £5,000. The report was adopted.

BENEVOLENT FUND COMMITTEE

The report of the Benevolent Fund Committee showed that nine applications had been considered, and grants varying from £10 to £30 had been made. The following special contributions were announced:—London Chemists' Golfing Society, £3 3s.; West Ham and District Association of Pharmacists, £21; North Devon Pharmacists' Association, £1; Cardiff Pharmacists' Association, £19 6s.; Williams & Peters, £1 13s.; Bedfordshire Branch, £4 6s. 6d.; Swinton Pharmacists' Association, £2 10s.; Grimsby and District Pharmacists' Asso-

ciation, £2 2s. and 13s. 6d.; Mrs. Editia H. Penfold, £9 0s. 6d.; S. R. Powell, 5s. 8d.; Dewsbury Chemists' Association, £5; W. Coutts Evans, £1 0s. 7d.; R. R. E. Perkins, 16s. 4d. *Legacy*.—Alfred William Gerrard, Moseley, Birmingham, £45. *Orphan Fund*.—Executors of the late Mrs. S. A. Wallis, Cambridge, £250; West Ham and District Association of Pharmacists, £20.

The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

This Committee reported that during the month three applications had been considered and grants made ranging from £15 to £30. The report was adopted.

SCIENCE COMMITTEE

The Science Committee reported, with regard to the second International Conference Report on the Unification of the Formulas of Powerful Medicaments, Professor Van Itallie, secretary of the subcommittee for standardising physico-chemical methods of assay, being prepared to send samples of opium and belladonna for the purpose of arriving at the best methods of ascertaining strengths. Mr. Evers was asked to undertake the belladonna, and Mr. Self the opium research. With reference to the International Pharmaceutical Federation subjects for discussion, the Committee were of opinion that the following subjects were suitable for discussion:—(1) The comparative advantages and disadvantages of preparing and dispensing pharmaceutical preparations by weighing both solids and liquids as against weighing solids and measuring liquids. (2) The supervision of the practical training of apprentices.

PHARMACOLOGICAL LABORATORY ADVISORY COMMITTEE

The Advisory Committee on the Pharmacological Laboratory reported that it had considered the desirability of the laboratory undertaking the testing of preparations for vitamin content. The Committee discussed the matter in some detail, and the members not directly connected with the Society had no difficulty in arriving at a decision that this work was such as the Society ought to undertake. The field is a wider one than the testing of cod-liver oil only, and it appears that the Society, if it undertakes the work, will have to decide how far it will be prepared to test articles which are on the border-line between medicines and foods. At the conclusion of the discussion Dr. Dale said that he considered that the Society would be doing a public service by undertaking this work. Dr. Burn said that he would submit figures to the chairman. He also mentioned that it was probable that it would be commercially profitable for the laboratory to offer to supply pedigree rats to other laboratories engaged in vitamin testing. The Committee was strongly of opinion that this is work which the Society should undertake, and recommended that the Council should give favourable consideration to the proposal.

This was all the public business.

Special Council Meeting

The Council held a special meeting on March 23, the President (Mr. Philip F. Rowsell) in the chair. The following report has been officially supplied:—

The Council considered a letter from the Home Office stating that it was the intention of the Home Secretary to apply for an Order in Council under Section 8 (2) of the Dangerous Drugs Act, 1920, to bring into Part 3 of that Act the group of drugs derived from barbituric acid, and enclosing a copy of draft Regulations proposed to be made under Section 7 of that Act restricting the sale of those drugs. [See p. 539.—EDITOR.]

The Council decided that it would be necessary for them to oppose the introduction of the Order and the Regulations on the grounds put forward at the conference at the Home Office on February 24, 1925, and upon the ground that the penalties for breaches of the Regulations would be excessive. The Council approved the terms of a letter to be sent to the Lord President of the Privy Council setting out the Council's objections, and appointed the President, with the chairman of the Law Committee, to interview the officials of the Home Office and to place the Society's objections before them.

Financial Statements

General Fund Accounts

Expenditure (two years compared)

	1924			1925		
	£	s.	d.	£	s.	d.
School of Pharmacy and Research Laboratory:—						
Stipend of Professor	900	0	0	900	0	0
Lecturers, Demonstrators, etc. (including £250 for Clerical Assistance)	3,064	8	4	2,900	16	8
Apparatus, Drugs, Chemicals, Specimens, Medals, Certificates, Printing and Sundries	994	16	1	862	18	8
Proportion of Rates and Taxes	363	14	1	281	6	4
Proportion of Cost: Coal, Lighting, Heating, etc.	156	10	10	133	18	8
[Totals:—1924, £5,479 9s. 4d.; 1925, £5,079 0s. 7d.]						
Pharmacological Laboratories	0	0	0	17	5	6
Law Costs	1,447	9	1	1,248	18	2
Registration Department:—						
Major and Minor Examinations: Fees to Examiners and Travelling Expenses—						
England and Wales	2,725	4	4	3,104	16	10
Scotland	762	2	8	791	15	5
Refreshments—						
England and Wales	225	2	2	261	9	1
Scotland	51	10	2	56	9	3
Apparatus, Drugs, Chemicals, Printing and Sundries—						
England and Wales	901	0	2	1,094	1	1
Scotland	161	15	6	226	11	4
Certificates of Death	24	8	7	23	8	5
Register of Chemists and Druggists	391	2	6	302	13	0
[Totals:—1924, £5,242 6s. 1d.; 1925, £5,861 4s. 5d.]						
Education:—						
Cost of conducting Prize and Scholarship Examinations	78	19	9	13	3	10
Medals and Certificates—Council and Herbarium Competitions	13	12	3	14	16	0
Inspection of Schools of Pharmacy	17	13	6	31	17	4
Evening Meetings	66	3	3	40	3	6
[Totals:—1924, £176 8s. 9d.; 1925, £100 0s. 8d.]						
"Pharmaceutical Journal":—						
Expenditure less Income	5,807	16	2	6,125	7	10
Postage	2,841	5	6	2,972	12	11
[Totals:—1924, £8,649 1s. 8d.; 1925, £9,098 0s. 9d.]						
British Pharmaceutical Codex	536	15	11	417	0	0
Pharmaceutical Press Publications	38	14	6	132	4	9
Pharmaceutical Pocket Book	141	5	0	699	4	9
Year-Book	729	2	9	716	18	1
North British Branch:—						
Resident Secretary and Clerks' Salaries	927	2	6	957	4	2
Taxes and Insurance	144	6	1	144	2	7
Members of Executive—						
Travelling Expenses, etc.	128	7	6	123	9	7
Fuel, Light, Water, Cleaning, Service, etc.	653	0	10	760	6	10
[Totals:—1924, £1,852 16s. 11d.; 1925, £1,985 3s. 2d.]						
Head Office Expenses:—						
Museum—						
Emeritus Curator's Salary	250	0	0	250	0	0
Assistant's Wages and Sundry Expenses for Bottles, etc.	232	0	1	214	16	11
Library—						
Salaries	271	16	8	258	6	8
Purchase and Binding of Books, etc.	210	11	0	194	7	11
House—						
House Servants' Wages	817	1	7	796	5	7
Rent, Rates, Taxes, and Insurance, including Premium on Lease Redemption Policies	1,454	16	3	1,125	5	5
Repairs, Electric Service and Fittings	130	17	9	506	17	0
Gas, Electric Light, Water, Coal, and Cleaning Material	626	3	6	535	15	11
Central Heating Installation	926	5	0	487	9	1
Branch Organisation Fund	2,300	0	0	2,300	0	0

	1924			1925		
	£	s.	d.	£	s.	d.
Head Office Expenses (cont.):—						
British Pharmaceutical Conference	193	7	4	181	14	9
General—						
Salaries of Secretary and Clerical Staff (less £250 charged to School)	3,548	12	6	3,449	19	8
Stationery, Printing, Office Expenses and Carriage	793	7	7	1,040	1	3
Postage	332	18	8	360	10	3
Telephone	34	11	11	43	2	8
Fee to Chartered Accountants	125	0	0	125	0	0
Members of Council Travelling Expenses, etc.	1,182	17	6	1,335	17	10
[Totals:—1924, £13,430 7s. 4d.; 1925, £13,205 10s. 11d.]						

League of Ex-Service Pharmacists	0	0	0	288	14	10
New By-Laws	0	0	0	496	18	11
Pensions	725	0	4	700	0	0
Federation of Medical and Allied Societies	10	10	0	10	10	0
Fédération Internationale Pharmaceutique	32	11	0	123	14	11
Scientific Exhibit, British Empire Exhibition	0	0	0	50	0	0
Sundries	2	2	0	0	0	0
Balance added to Accumulated Fund	3,646	10	11	4,692	11	3
£42,172 19 7 £44,923 1 8						

Income (two years compared)

School Fees	2,854	13	2	2,128	1	8
Board of Education Grant	830	10	0	757	0	0
Examination Fees:—						
Qualifying Examination	13,448	5	0	15,228	4	0
Major Examination	178	11	0	140	16	0
Registration Fees:—						
Apprentices or Students	3,525	18	0	4,302	18	0
Chemists and Druggists	14	14	0	71	8	0
Restoration Fees	19	19	0	44	2	0
Certificates of Qualification	17	7	0	16	0	0
Sale of Register of Chemists and Druggists	114	0	3	152	4	6
[Totals:—1924, £17,318 14s. 3d.; 1925, £19,955 12s. 6d.]						

British Pharmaceutical Codex	1,788	16	7	916	1	4
Pharmaceutical Press Publications	24	16	8	22	8	2
Pharmaceutical Pocket Book	103	14	3	577	10	1
Year-Book	53	7	6	62	2	10
Subscriptions:—						
Members	16,691	6	6	17,608	4	9
Student Associates	878	17	0	991	14	6
Life Compositions	52	10	0	180	12	0
Corresponding Members of B.P.C.	44	12	6	79	5	6
[Totals:—1924, £17,667 6s.; 1925, £18,859 16s. 9d.]						

Interest on Investments:—						
Dividend on 4% Funding Stock	827	4	5	982	9	10
Dividend on Port of London Authority Stock	64	8	4	65	2	2
Dividend on Water Board Stock	43	13	0	44	4	4
Dividend on War Stock	575	9	6	575	9	6
Interest on Deposit at Bank	172	4	3	215	13	0

	£1,682	19	6	£1,882	18	10
Less Income Tax on War Stock and Deposit Interest	157	10	0	140	0	0
	£1,525	9	6	£1,742	18	10
Net Rent of 6 and 7 Paddington Green	426	5	0	436	11	3
Net Rent of 15 Bloomsbury Square	243	0	0	249	15	0
	£2,194	14	6	£2,429	5	1
Less Contributions to Staff Provident Funds	663	13	4	784	16	9
	£1,531	1	2	£1,644	8	4
	£42,172	19	7	£44,923	1	8

The balance sheet of the General Fund and the accounts of the Branch Organisation Fund, Benevolent Fund, War Auxiliary Benevolent Fund, Supplementary Benevolent Fund, Orphan Fund, Waterall Legacy, and Scholarships and Prize Funds are also given.

Pharmaceutical Society of Ireland

Events During the Years 1910-25

The third and concluding article on the history of the Pharmaceutical Society of Ireland

THE work of the Pharmaceutical Society of Ireland at the beginning of this period was largely to consolidate and unite all those engaged in pharmacy. There were many stalwarts who had both foresight and wisdom; their early efforts were now bearing fruit. One of the greatest of these has already been mentioned, Mr. W. F. Wells, the only President who (after a period of years) occupied the presidential chair for a second tenure of office. In 1911 Mr. Wells was President of the British Pharmaceutical Conference, held at Portsmouth that year. The only other Irish pharmacist who has held that office is Mr. J. C. C. Payne, J.P., in the year 1899, when the Conference met at Plymouth. Many attempts were made by the Colonies to get reciprocity with the Irish Society in reference to qualification; but, as the Society frequently pointed out, it had no power under the Acts to do any such thing—it could not even make such an arrangement with Great Britain.

When the dogs of war were loosed in 1914 (though we little knew what havoc would be wrought by them before they were again chained up), the Irish Society played its part. It organised supplies of medicines for the dependants of soldiers and sailors throughout the country. It made the greatest efforts to get adequate recognition of, and adequate remuneration for, qualified dispensers in the Army. Deputations waited upon those in authority, resolutions were passed, and no stone was left unturned in the work of getting the Army to arrange for pharmacists to have commissions conferred upon them, as in the French army. In 1915 the portrait of Sir William James Baxter, D.L., J.P., who had been Vice-President and President, holding each office for three years, was hung in the Council chamber. During the war years the most serious thing that happened in Ireland commenced at the end of April 1916 with the Sinn Féin riots. During this period there was hardly a meeting of the Council when a resolution of sympathy was not passed with the relatives of some hero or another whose life had been lost in the war. On June 12, 1917, the Council passed a vote of condolence to the family of the late Mr. Peter MacEwan, Editor of THE CHEMIST AND DRUGGIST. "He was one of the greatest friends of the Irish pharmacists," said the President, adding that whenever a deputation from that Council had gone to London to wait upon members of Parliament they had always called upon Mr. MacEwan first. They had received help and advice that had been invaluable to them.

COSTLY PROSECUTIONS

During 1918 an incident occurred which showed the difficulties under which the Society worked and the lack of encouragement meted out by those in authority. In February of that year there were several prosecutions at the Kilkenny Sessions at the suit of the Pharmaceutical Society for breaches of the Sale of Poisons (Ireland) Act, 1870, and the Pharmacy Act (Ireland), 1875. Most of these cases were for the sale of sheep dip, and the magistrates inflicted fines amounting to £60. The defendants all appealed to Dublin Castle, and on May 14, at the Council meeting, a communication was read from the Assistant Under-Secretary on the subject. It was to the effect that a memorial praying that the fines should be remitted had been received, and a draft was enclosed showing the result of the lords justices' action in reference to those fines. The substance of the draft showed that the fines had now been reduced to £31. At a Council meeting on September 10, the treasurer, Mr. G. D. Beggs, reported that for law cases during the year it had cost the Society almost £280, while it had only received a comparatively small amount in fines. The last resolution the Council passed in connection with the war, was on November 12, 1918, when telegrams of congratulation on the Armistice were sent to his Majesty the King, the Prime Minister, and Lord French (then Lord Lieutenant of Ireland).

In 1922 the pharmaceutical licentiates were permitted to act as pharmaceutical chemists in most of the Colonies without examination, on complying with the regulations of the Colonial Pharmacy Boards. In Canada, the Ontario College of Pharmacy will register pharmaceutical chemists of Ireland without examination, on payment of sixty dollars, but as the law varies in the other provinces, licentiates should consult the "Professional Handbook," to be obtained (price 3d.) from the Emigrants' Information Office, 34 Broadway, Westminster, London, S.W. The list of Colonies recognising the Irish qualification is as follows:—Gibraltar, South Africa, Transvaal, Orange River Colony, Swaziland, Transvaal Pharmacy Board (in 1905), British Guiana, Barbados, Cyprus, Hong Kong, Leeward Islands, Isle of Man, Jersey, Malta, Kenya Colony. The following States of America also allow Irish pharmacists to practise under certain conditions:—Alabama, Arizona, Arkansas, Dakota N., Dakota S., Georgia, Indian Territory, Maryland (except Baltimore), Mississippi, Montana, Nevada, New Mexico, Oregon, Tennessee, Texas, Utah, Vermont, Washington, Wyoming.

THE YEAR OF JUBILEE

The commencement of the Society was on September 10, 1875, so that the year 1925 brought the Jubilee. Incidentally, it brought other events that may change the Society fundamentally. In the King's speech at the opening of the new Parliament of Northern Ireland in Belfast on April 15, 1925, these words occurred: "Amongst other measures which will engage your attention is a Bill to establish a Pharmaceutical Society for Northern Ireland, a Bill to prevent the sale in our State of inferior brands of condensed and dried milk, and a Jury Bill, which is being prepared in pursuance of the findings drawn up by the recent Committee." The Committee referred to was the Andrews Committee, which recommended *inter alia* the removal of the exemption from jury service granted to pharmaceutical chemists and declined to place druggists in the exempted list. For some time in the early months of 1925 it was feared that the day fixed for the commencement of the Society for Northern Ireland would be before September 10, and that the Jubilee could not be celebrated. However, it turned out that the old Society would remain intact until after that date, so there were grounds for relief. One event did happen just two days before the anniversary day (and it was a great break with the past)—the resignation of Mr. Arthur T. Ferrall, who had been the Registrar for forty-one years. In June the first intimation came to the Council when Mr. Ferrall was absent from the Council meeting owing to illness, the first he had missed in over forty years' service. On September 8 his resignation was accepted, and the following resolution was passed: "That the Council desire to acknowledge the pre-eminent services of Mr. Ferrall as Registrar during forty-one years, and to express their sympathy and regret that the state of his health makes it impossible for him to continue as Registrar." Arrangements were made for the Society to give him a cheque as well as a contribution towards his expenses caused by his illness and removal, and also a superannuation allowance during his lifetime. The writer of "Observations and Reflections" in THE CHEMIST AND DRUGGIST of September 26, 1925, said: "Mr. Ferrall's resignation is an event of no slight importance in Irish pharmaceutical circles, none the less because it serves to mark the close of a period in the history of the Society which he has served so long and so well. . . . It is to be hoped that he will long survive to enjoy his well-earned rest after forty-one years of unremitting labour." At the annual meeting on October 5, Miss Grene, the assistant registrar, took the place which had been occupied by Mr. Ferrall for so long. For the first time since his appointment Mr. Ferrall was not at the annual meeting. At the October meeting a letter was read from Mr. Ferrall expressing his thanks for the way he had been treated by the Council, and saying what a great wrench it was to him to have to give up work in which he took so great an interest. Congratulatory letters have been received by the Council from licentiates of the Society, in all parts of the world, on the attainment of its jubilee by the Society. It is of some little interest that women were

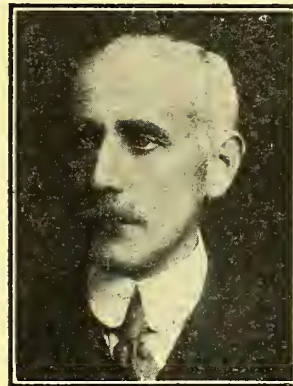
PHARMACEUTICAL SOCIETY OF IRELAND



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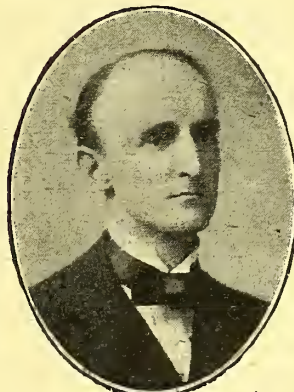
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PAST
PRESIDENTS

1910—1925

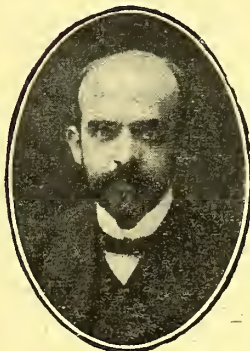


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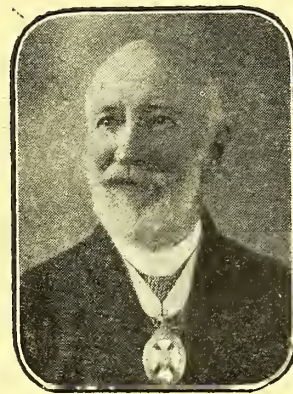
- 1.—SIR WILLIAM BAXTER, 1910-15.
- 2.—D. M. WATSON, 1913-15.
- 3.—JAMES TATE, 1915-17.
- 4.—J. MICHIE, 1917-19.
- 5.—J. E. CONNOR, 1919-21.
- 6.—DR. A. J. BARNES, 1921-24.
- 7.—R. BLAIR, 1924-25.



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JUBILEE

admitted to the Society's examinations by an order of February 15, 1877. The Pharmacy Act for Northern Ireland, foreshadowed in the King's speech, was passed in June 1925, an event which was fully reported in THE CHEMIST AND DRUGGIST at the time. The first Council meeting of the Pharmaceutical Society of Northern Ireland was held in Belfast on December 2, 1925, the President, Mr. Horatio Todd, in the chair. (*C. & D.*, 1925, II, 819.) It will be seen that the Pharmaceutical Society of Ireland has weathered the storm and battled with the breeze for fifty years. There will soon be a new Pharmacy Act for the Irish Free State, in which case all those connected with the drug trade in Ireland will undoubtedly wish to work amicably together just as they have in the past.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1926, p. 309.

(From "The Trade-marks Journal," March 17, 1926.)

- "ORANGE JOY"; for beverages, etc. (42). By Kia-Ora, Ltd., 35 Rushworth Street, London, S.E.1. 466,644.
- "QUEEN OF HEARTS" under device of playing card; for goods (47) and for perfumery, etc. (48). By J. Crosfield & Sons, Ltd., Bank Quay, Warrington. 466,436/437. (Associated.)
- "OPUS 6" ("6" disclaimed); for a hair-dressing preparation (48). By A. Dunhill, 186 Campden Hill Road, London, W.8. 464,001.
- "LALLA ROOKH" and "DANILO"; for perfumery, etc. (48). By Heppells, Ltd., 16 Grosvenor Place, London, S.W.1. 466,637/638.
- "TRINI"; for all goods (48). By Perfumeria Gal, Sociedad Anonima, 10 Paseo de San Bernardino, Madrid. 466,928.
- "LIVOLA DE COMPOSÉE"; for perfumery, etc. (48). By International Chemical Co., Ltd., 7 Wybert Street, Munster Square, London, N.W.1. 466,842.
- "MIRANDA"; for perfumery, etc. (48). By G. W. Goodwin & Son, Ordsall Lane Soap Works, Manchester. 467,155.

(From "The Trade-marks Journal," March 24, 1926.)

- "TETRAPHTAL"; for all goods (1). By Chemische Fabrik Pott & Co., 39 Priessnitzstrasse, Dresden. 465,764.
- "NEBO" on oval shape; for photographic chemicals, etc. (1). By Naamlooze Vennootschap Tot Exploitatie Van Van Boogaardt's Octrooi, Laan Van Meedervoort 18, 's-Gravenhage, Holland. 465,940.
- "WAL-D'OR" and "STIP-PLEX"; for all goods (1). By A. Smith, 38 Ashdale Road, Mossley Hill, Liverpool. 466,962; 467,247.
- "MULTIFOR"; for dyestuffs (1) and (4). By British Dyestuffs Corporation, Ltd., 70 Spring Gardens, Manchester. 467,170/171. (Associated.)
- "COLISTOL"; for chemicals (2). By Crown Chemical Co., Ltd., 52 Crutched Friars, London, E.C.3. 466,960.
- "PARTAGON"; for medicinal chemicals (3). By Chemical Works, formerly Sandoz, 60 Fabrikstrasse, Basle, Switzerland. 467,681.
- "PECORA"; for medicines for coughs and colds (3). By R. Parkinson & Sons, Curzon Street, Burnley. 464,028.
- "CU-PED"; for a medicated ointment for the feet (3). By J. S. Tavener, 2 Edgecumbe Street, Plymouth. 464,420. (Associated.)
- "CONTENTA WATER" on oblong device with border of children's heads ("Contenta" disclaimed); for a medicinal water (3). By Blackwell, Hayes & Co., Ltd., 54 Moor Street, Birmingham. 467,092.
- "HORCHAL"; for medicinal preparations (3). By Hormones & Chalcones, Ltd., 23 George Street, Baker Street, London, W.1. 465,376.
- "STAPHIDS"; for medicinal chemicals (3). By H. & T. Kirby & Co., Ltd., Newman House, Belton Road, Willesden Green, London, N.W.2. 466,620.
- "QUERCUS BRAND" on circular device of tree; for medicines (3). By Wands, Ltd., 21 Wellington Street, Leicester. B465,400.
- "OXAVIN TONIC WINE" on label device, including bull's head and grapes (device of bunch of grapes disclaimed); for a tonic wine (3). By W. E. Cox & Co., Ltd., 5 Idol Lane, Great Tower Street, London, E.C.3. 466,599. (Associated.)
- "KADISA"; for all goods (3). By Howse & McGeorge, Ltd., Government Road, Nairobi, Kenya. 466,820.

- "INJIZETTE"; for injection syringes (11). By Behringwerke Aktiengesellschaft, Ketzlerbach 11, Marburg, Lahn, Germany. 465,543.
- "THE LESTROL NASAL DOUCHE" with device of douche on shield; for a nasal douche (11). By F. A. Lester, 7 Victoria Villas, Upperthorpe, Sheffield. 467,125.
- "CLINSET"; for clinical thermometers (11). By R. Hovenden & Sons, Ltd., 29 Berners Street, London, W.1. 466,876.
- "A.C.C. LTD." on device composed of three triangles; for chemical glassware, etc. (15). By A. C. Cossor, Ltd., Aberdeen Lane, Highbury Grove, London, N.5. 466,829. (Associated.)
- "TORBOLIC"; for all goods (47). "TORIENT," "TORODENT," "TORSANTE," "TORELLA," "TOROLIVE," and "TORADIO"; for all goods (48). By Toro Tablet Co., Ltd., Watery Lane, Birmingham. 466,256/257/258/259/260/261/262. (Associated.)
- "WANIE"; for perfumery, etc. (43). By S. Kalisky, Ltd., 75 High Street, Aldgate, London, E.1. 461,474.
- "WAVERLINE"; for a hair preparation (48). By C. H. Parton, 5 and 6 Bull Ring, Birmingham. 463,880.
- "NYTHIS"; for perfumery, etc. (48). By Lecaron Fils, 6 Avenue de l'Opera, Paris. 464,851.
- "TROMALET"; for perfumery, etc. (48). By T. J. Singleman, 2 Burlington Parade, Cricklewood, N.W.2. 466,099.
- "FURLANA" with device of Eastern lady; for perfumery, etc. (48). By M. Kappus, 42 Louisenstrasse, Offenbach-am-Main, Hessen, Germany. 466,106.
- "J. LYONS & CO., LTD." under semi-circular device of two lions and globe; for perfumery, etc. (48). By J. Lyons & Co., Ltd., Cadby Hall, Hammersmith Road, Kensington, W.14. 466,580. (Associated.)
- "DAMAYANTI," "AYODHYA," and "KIOHIME"; for perfumery, etc. (48). By Heppells, Ltd., 16 Grosvenor Place, London, S.W.1. 465,634/635/636.
- "PETAL FROST"; for perfumery, etc. (48). By J. E. Ellis, "Batavia," Brownberrie Lane, Horsforth, Leeds. 466,951.
- "LA BELLE SAISON-HOUBICANT" on oblong shape; for perfumery, etc. (48). By Parfumerie Houbicant, Société Anonyme, 19 Rue du Faubourg Saint Honoré, Paris. 466,734. (Associated.)
- "MIDLIK" on fantastic figure device, with bottle-shaped body; for all goods (43). By H. Lowenfeld, 94 Avenue Henri Martin, Paris (xvme). 467,044.

(From "The Trade-Marks Journal," March 31, 1926.)

- "METOL-HAUFF"; for metol for photography (1). By J. Hauff & Co., G.m.b.H., Stuttgarterstrasse 54, Feuerbach, near Stuttgart, Germany. B463,204.
- "ZULOSITE"; for all goods (1). By R. R. Minton & Co., Ltd., 39 Cheapside, Liverpool. 465,125.
- "OBKSUROL"; for all goods (1). By Goodlass, Wall & Co., Ltd., 42 Seel Street, Liverpool. 465,802.
- "CEMFIX"; for all goods (1). By N. H. Knipe, 57 South John Street, Liverpool. 465,156.
- "CARP"; for goods (1). By The Graesser Monsanto Chemical Works, Ltd., Cefn, Ruabon, N. Wales. 466,226.
- "HOLYBROOK WOOD PRESERVER," on circular device, including letters "M. & M. R." on triangle ("M. & M. R." disclaimed); for wood preservative (1). By Mays and Mackay, Ltd., 5 & 6 Gun Street, Reading. 467,050. (Associated.)
- "KEMSEY"; for veterinary preparations (2). By R. W. K. Simister, 2 St. John's Place, Hay, Hereford. 466,328.
- "APEX"; for fertilisers (2). By J. C. Whitney, Eldon Street House, Eldon Street, London, E.C.2. 467,045.
- "BRON-KURE," with picture of man coughing and words "Don't go on pleasure—bent," and "Stop that cough"; for a medicine for the chest, etc. (3). By P. Matkin, 708 Wakefield Road, Bradford. 462,030.
- "AMOVON 'FOOT PASTE,'" with name of applicants, etc., on label device; for medicated foot paste (3). By Wynter Bros. & Co., Ltd., 18 Low Green Terrace, Great Horton, Bradford. 462,656. (Associated.)
- "DR. SMITH'S WELL-KNOWN COUGH DROPS," etc., on oblong label; for cough tablets (3). By Hall Brothers (Whitefield), Ltd., Stanley Street, Whitefield, nr. Manchester. B464,121.
- "HORMONOX"; for a pluriglandular gland preparation (3). By Oxo, Ltd., Thames House, Queen Street Place, London, E.C.4. 465,809.
- "MOSSMORRA"; for medicinal tablets (3). By G. Garvie and C. White, 349 High Street, Cowdenbeath, Fife. 467,000.
- "MENFORMON"; for all goods (3). By Naamlooze Vennootschap tot Bereiding Van Orgaan Preparaten op Wetenschappelijke Grondslag, Oss, Holland. 467,043.

Dangerous Drugs Act Regulations

THE following correspondence has passed between Government Departments and the Pharmaceutical Society of Great Britain regarding the proposal to make the barbiturates "dangerous" drugs (*C. & D.*, March 27, p. 458).

The Home Office to the Pharmaceutical Society

March 15

I am directed by the Secretary of State to say for the information of your Council that he has had under consideration the report which has been made to him of the proceedings at the Conference which was held at the Home Office on February 24, 1925, to consider the question of bringing under the Dangerous Drugs Acts the group of drugs which are derived from barbituric acid.

On the information before him Sir William Joynson-Hicks has come to the conclusion that it is desirable to extend to this group of drugs the powers of regulation which are given by Part III of the Dangerous Drugs Act, 1920, and he is accordingly proposing to advise the issue of an Order in Council for this purpose under Section 8 (2) of that Act in the terms of the draft enclosed in the Home Office letter of November 19, 1924.

As regards the regulations to be made for this group of drugs in pursuance of Section 7 of the Act, the Secretary of State is of opinion that the restricted proposals which were set out in the draft that accompanied the Home Office letter referred to (a further copy is enclosed) go as far as is justifiable at present, and he is advised that it is competent under the Section to issue modified regulations for particular groups of drugs.

He is accordingly giving notice of the proposal to issue an Order in Council and to make regulations in these terms.

The Pharmaceutical Society to the Home Office

March 30

I submitted your letter of the 15th inst. to the Council of the Society and it has been carefully considered by them.

I am directed to say in reply that the Council have noted with extreme regret that the Home Secretary has not found it possible to meet the objections put forward by the representatives of the Society at the conference at the Home Office referred to in the letter. The Council wish in particular to draw the attention of the Home Secretary to the fact that they are still strongly of opinion that all regulations under Section 7 should be, as are the present regulations under that Section, regulations for all the purposes there specified and not modified regulations, as are the proposed regulations. The Council of the Society have reluctantly come to the conclusion, in view of the attitude which has been adopted to the proposals of the Society's representatives, that no other course is open to them but to make public the objections which they have to the proposals, and in these circumstances the Council have directed that a letter shall be sent to the Lord President of the Council, a copy of which I am instructed to enclose with this letter for your information.

The Pharmaceutical Society to the Privy Council

March 30

The Pharmaceutical Society has been informed by the Home Office of the intention of the Home Secretary to advise the issue of an Order in Council under Section 8 (2) of the Dangerous Drugs Act, 1920, to bring under the Dangerous Drugs Acts the group of drugs which are derived from barbituric acid, and has been favoured with a copy of draft regulations proposed to be made under Section 7 of the Dangerous Drugs Act, 1920, restricting the supply by retail of those drugs. The Council of the Society presume that the Home Secretary has had before him evidence indicating an abuse of those drugs similar to the abuse of cocaine, morphine and heroin which necessitated the introduction of the Dangerous Drugs Act, 1920, and the Regulations made thereunder, but after prolonged and careful consideration of the proposals the Council have reluctantly come to the conclusion that it is necessary for them respectfully to draw the attention of the Lord President of the Council, as representing the Department chargeable both with the issue of the Order in Council and with the supervision of the administration of the Pharmacy Acts, to three matters which arise from the Home Secretary's proposals.

The Council desire, in the first place, to draw attention to the fact that the Dangerous Drugs Acts were enacted to enable Great Britain to carry out her obligations under the Hague and Geneva Conventions. Hitherto the machinery of the Acts has been applied only to controlling transactions in

those drugs which have been the subject of international control, and the proposal to extend the operation of the Acts to the derivatives of barbituric acid, which the Council are not aware to be the subject of an international Agreement, creates a precedent which is viewed with some apprehension by pharmacists and by others engaged in the supply of drugs. The Council respectfully suggest that after the desirability of additional control of the supply of these drugs to the public had been established to the satisfaction of the Home Secretary, consideration could have been given to the possibility of regulations for the purpose being made under Section 1 of the Pharmacy Act, 1868. The Lord President will be aware that by this Section power is given to the Pharmaceutical Society, subject to the approval of the Privy Council, to make regulations for the keeping, dispensing and selling of poisons, and the Council regret that it was not found possible to explore the extent to which the objects aimed at could have been attained by regulations under that section.

Secondly, the Council regret exceedingly that more consideration has not been given in proposing to include these drugs in Part 3 of the Dangerous Drugs Act, 1920, to the fact that the penalties of the Dangerous Drugs Acts will apply to breaches of the proposed Regulations. While some justification may be offered for the imposition of heavy penalties in connection with illegal sales of morphine, cocaine and heroin, in view of the illicit traffic in those drugs, the Council respectfully suggest that there exists no justification for such penalties in the case of veronal and other drugs derived from barbituric acid. At the present moment the penalty for the sale of veronal without the requirements of the Pharmacy Acts having been observed is a fine not exceeding Five Pounds for the first offence and not exceeding Ten Pounds for the second and every subsequent offence. If the proposed Order in Council and Regulations are made, the penalty which may be imposed for the sale by retail of veronal otherwise than upon the prescription of a medical practitioner, will be, on conviction on indictment, a fine not exceeding one thousand pounds, or penal servitude for a period not exceeding ten years, or both such fine and penal servitude; or, upon summary conviction, a fine not exceeding two hundred and fifty pounds, or imprisonment with or without hard labour for a term not exceeding twelve months, or both such fine and imprisonment. In addition, the authorisation of a person convicted of a breach of the Dangerous Drugs Acts to be in possession of or to supply any of the drugs to which the Acts apply may be withdrawn by the Home Secretary. The Council find it difficult to believe that adequate consideration can have been given to these facts by those responsible for the present proposals.

The third objection which the Council wish to record is the omission to include in the proposed regulations or in the existing regulations under the Dangerous Drugs Act effective provisions to control the supply of the drugs by medical practitioners to the public. At a conference held at the Home Office when the present draft regulations were discussed, representatives of the Society submitted that the control of the drugs to which the Dangerous Drugs Acts apply could only be made effective if medical practitioners were required to order such drugs upon a prescription and were only permitted to supply them direct to their patients in emergencies or when no other source of supply was reasonably accessible. The Council respectfully suggest that pharmacists have not shown themselves to be less entitled to be trusted to carry out their obligations with a due regard to the protection of the public than have the members of the medical profession, and that if it has been found necessary in the public interest to restrict the conditions under which certain articles may be supplied by pharmacists to the public, restrictions should also be applied to the supply of the articles by medical practitioners.

The Council are aware that the Lord President is not directly concerned with the issue of the proposed Regulations, but they respectfully ask that the views put forward in this letter may receive his consideration before the submission for the approval of His Majesty in Council of the draft of an Order in Council enabling such Regulations to be issued.

Gazette

Bankruptcy Acts

RECEIVING ORDER AND ADJUDICATION

BIRDSEYE, E. W., Sundridge Mansions Hotel, Bromley, Kent, and 147 Fenchurch Street, London, E.C., produce broker, under the style of F. W. Bowyer & Bartleet.

Canadian P.A.T.A.

THE following are the rules and constitution of the Proprietary Articles Trade Association of Canada adopted by a meeting held at Montreal on March 15.

OFFICERS

President: Leo G. Ryan (Wingate Chemical Co., Ltd., Montreal). *Chairman of Council:* Sir William S. Glyn-Jones. *Treasurer:* Arthur Lyman (Lyman's Limited, Montreal). *Vice-Presidents:* (Manufacturers' Section) W. J. Fraser (Northrop, Lyman & Co., Ltd., Toronto). (Wholesalers' Section) C. W. Tinling (National Drug and Chemical Company of Canada, Ltd., Montreal). (Retailers' Section) G. A. Lapointe (Montreal). *Executive Committee*—The above officers and the following: (Manufacturers' Section) F. A. Blair (The Centaur Co.); W. G. M. Shepherd (Colgate & Co., Ltd., Montreal); W. M. Grant (Parke Davis & Co., Walkerville). (Wholesalers' Section) W. A. Hargraves (Drug Trading Co., Ltd., Toronto); J. A. M. Charbonneau (Casgrain & Charbonneau, Ltd., Montreal); W. G. Noble (Lyman Bros. & Co., Ltd., Toronto). (Retailers' Section) C. G. Whelby, Toronto; E. Vadboncoeur, Montreal; E. A. Rea, Woodstock.

CONSTITUTION AND RULES

1. The Association shall be called the Proprietary Articles Trade Association.

2. The objects of the Association shall be

(a) The discussion of matters of common interest to the branches of the trades represented, with a view to decision, and, if necessary, co-operation.

(b) The taking of such steps as the Association may be advised are legal and not detrimental to the interests of the public, whether consumers, producers or others, to deal with unreasonable and unfair cutting of prices, and to give advice and render assistance to its members in preventing substitution.

(c) The doing of such other things as are lawful and as may appear to be of benefit to the trade and not detrimental to the public interests.

3. The Association shall consist of Manufacturers and Wholesale and Retail Vendors of Proprietary Articles who give evidence of their being in sympathy with the objects of the Association.

4. The affairs of the Association shall be under the entire management and control of a Council consisting of the following:—

(a) All members of the Manufacturers' Section.

(b) All members of the Wholesale Section.

(c) One retail representative from each of the following provinces, namely: British Columbia, Alberta, Saskatchewan, Manitoba, New Brunswick, Nova Scotia and Prince Edward Island; two representatives from Quebec and three from Ontario. These may elect additional members to their section up to the number of three.

5. That the election of members of each section of the Council shall take place annually.

6. No resolution of the Council shall be deemed to be carried and no rule or regulation of the Association become operative unless it has first received the approval of the majority of each section.

7. The three sections of the Council shall constitute three Committees to whom matters particularly affecting their branches of the trade shall be referred, but any decision arrived at by such Committees to be subject to the ratification of the Council.

8. The meetings of the Council shall be held at such times and places as the Council may direct, but at least one meeting of the Council shall be held in each year.

9. In order to facilitate the handling of the business of the Association, the Council may delegate its authority to an Executive Committee consisting of the President, Chairman of the Council, Treasurer, three Vice-Presidents, one to be nominated by each section of the Association, namely, Manufacturers, Wholesalers and Retailers, and of three members of each section of the Council, such members to be elected by their respective sections.

10. The Council is authorised to make rules and regulations for its own government and the government of the Executive Committee and likewise that of the Association, and to annul or alter the same from time to time as occasion may require.

11. The Council shall be empowered to elect the officers of the Association, and to decide what shall constitute the various duties, privileges and emoluments in connection with such offices. The officers shall retire from office each year, and shall be eligible for re-election.

12. The following shall be the annual subscriptions to the Association: owners of proprietary articles \$100 for the first article listed, and \$3.00 for each additional article.

Wholesale vendors \$200 per year for each store operated by them.

Retail vendors \$5.00 per year for each store operated by them.

Each member to be entitled to one vote for each subscription paid, but no member shall be entitled to vote or hold office unless the subscription is paid.

The subscriptions run for 12 months from date of payment.

RESOLUTIONS

The following are resolutions passed at the same meeting:—

2. That the Proprietary Articles Trade Association be informed that this Organisation Meeting expresses to them their sincere appreciation of the courtesy shown by them in relinquishing the above title so that it may be taken by this organisation.

Minimum Prices

3. To recommend to manufacturers that where articles have been so severely cut, that a sudden advance from the cut price to the advertised price would be inexpedient, the minimum retail price should be something lower than the advertised price.

Mail Order Catalogue Prices

4. That the listing of P.A.T.A. articles appearing in the current lists of well-known Mail Order Houses be postponed to a date (August) to coincide with the issues of the catalogues of such Mail Order Houses in which the prices shall be adjusted to correspond with P.A.T.A. prices.

Substitution

5. That as the object of the Association is to secure for manufacturers unfettered distribution to the public through trade channels, the Council pledges itself to discourage unfair practices on the part of any trader in connection with such articles as are on the Association's list and to take such similar steps as they are advised are legal to prevent supplies reaching any trader who attempts, when a P.A.T.A. article is asked for, to induce the customer to take a substitute, as they do in the case of the trader who sells below the P.A.T.A. prices.

Imported Proprietaries

6. Where a manufacturer abroad has established a branch or appointed an agent in Canada for the purpose of handling an article specially put up for the Canadian market, which article has been placed on the Association's Protected List, the Association shall take such steps as their lawyer may advise are legal in giving to the manufacturer and his agent assistance in preventing that manufacturer's article from being sold unless in the package specially adopted for the Canadian market.

Co-operation in the Event of Legal Proceedings

7. In the event of any question arising as to the legality of the Association or its operations and of legal proceedings being taken against any member of the Association on account of his membership of the Association, or of any act essential to the carrying out of any rule or resolution of the Association which he may have committed (the rules or resolutions being such as the Association's lawyer has advised are legal) the Association shall take charge of the case and assume costs up to the limit of the Association's funds. Furthermore, in the event of the Association not possessing sufficient funds for the purpose of defending any such case as is referred to in the foregoing resolution, the Council shall make a levy upon every member of the Association.

Co-operation with Grocery Trade

On a report by Mr. Crowder that at a conference of manufacturers, wholesalers and retailers in the Grocery Trade, covering the Dominion, held in Toronto on March 9, a resolution was passed that they were ready to support the P.A.T.A. movement, and asking that this organisation might reciprocate their sentiments as far as their organisation was concerned, it was

8. Resolved that the Grocers' Conference be thanked for their resolution and informed that this organisation would be glad at all times to co-operate with them in appropriate and legal methods of dealing with the mischief of extreme cutting.

The list of manufacturers who have joined the movement contains the names of 111 firms.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, April 8.

HOLIDAY influences have been much in evidence this week, and even on Wednesday it could not be said that there was any serious attempt to do business. During the interval the movements with one or two exceptions are to lower levels. These include antimony, mercury, cod-liver oil, hydrastis, shellac and milk sugar. American peppermint oil to arrive is also cheaper, and a further decline has taken place in lemon oil to arrive. Opium is held for higher prices at primary sources, and vanilla has had a sharp advance on the private market. Among pharmaceutical chemicals there are practically no changes to report, and most items remain steady. Bromides have shown rather more demand, while calcium lactate is easier; citric acid has shown more inquiry. Among the industrial chemicals, markets in consequence of the holidays have been subdued, with no important price changes. Rather easier prices are quoted for carbolic acid crystals and cresylic acid. In the vegetable oil group there has been a general cessation of business over the holidays, and the few changes recorded include an easier tone in castor oil; both linseed and turpentine are also cheaper.

Higher	Firmer	Easier	Lower
Opium Vanilla	Naphthas, solvent Paraformalde- hyde	Anise star oil Barium chloride Bergamot oil Calcium lactate Camphor (Jp. slabs) Carbolic acid crystals Castor oil Hydrastis Linseed oil Mercury Milk-sugar	Cassia oil Cod-liver oil Cresylic acid Geranium oil (Alg.) Lemon oil Lithium salts Peppermint oil Pitch Rubber Turpentine

Cablegrams

NEW YORK, March 31.—Business is fair. Senega has advanced to 65c. per lb., and belladonna root to 15½c. per lb. Buckthorn bark is dearer at 6c., and copaiba balsam is also higher at 47½c. per lb. Peppermint oil in tins has declined to \$15.75, a reduction of 25c.; hydrastis is 15c. cheaper at \$5.60, and balsam tola has been reduced to \$1.05 per lb.

NEW YORK, April 7.—Business is fair. Belladonna root has advanced to 17c. per lb., and belladonna leaves to 20c. per lb. Copaiba balsam is easier at 46c. per lb. Peppermint oil is cheaper at \$14.75 in tins, in cases, and podophyllum (mandrake) root is cheaper at 10½c. Jalap has declined to 22c., and cascara sagrada to 19c. Mercury is lower at \$89.50 per flask.

BERGEN, APRIL 7.—The catch of cod since the opening of the season amounts to 36,500,000, against 30,200,000 at the same date of last year, and the yield of steam-refined medicinal oil is 60,469 hectolitres, against 55,711 hectolitres at the corresponding date of last year. The market for finest non-freezing Lofoten oil of the new crop is about 115s. per barrel, c.i.f. London, and the market is dull.

Crude Drugs, etc.

ANTIMONY.—The demand has continued poor, and buyers are holding orders back in the hope of securing further concessions. English high-grade refined ranges from £89 10s. to £90, and Chinese on the spot is £80 per ton, but it is presumed that business would be accepted at a little less. Forward shipment is about

£62 c.i.f. Reliable quotations for crude are hardly obtainable in the present neglected and erratic state of the market. In fact, all sorts of figures are mentioned for spot lots down to £51, and terms for future shipment are purely nominal at around £40 c.i.f.

CADMIUM.—There is a continued fair demand for Australian, which sells at 1s. 9d. per lb., but sellers of other descriptions of metal quoting well over that figure find business practically impossible.

CAMPHOR (REFINED).—Small sales of Japanese slabs have been made at 2s. 10½d. per lb., and for ¼-oz. tablets 3s. 5d. spot is quoted.

CLOVES are dull, with Zanzibar offering on the spot at from 9½d. to 9¾d. per lb., as to quality. For March-May shipment sellers quote at 9½d. per lb. c.i.f. The landings in London during the week ended April 3 were 101, and the deliveries 119, leaving a stock of 18,345 bales, against 11,206 in 1925, and 41,084 bales in 1924. The landings in London so far this year have been 8,263, against 2,450 in 1925, and the deliveries 4,123, against 6,248 bales in 1925.

COD-LIVER OIL.—Our Bergen correspondent writes on April 3 that the catch of cod in the Lofoten and surrounding districts was considerable last week. The total output of all the Norwegian codfisheries, compared with that of the previous years, is as follows:—

To	Catch of cod	Yield of steam-refined cod-liver oil	Livers for crude oils
March 27, 1926 ..	30,200,000	48,807 hectol.	5,020 hectol.
" 28, 1925 ..	26,700,000	49,739 "	5,119 "
" 29, 1924 ..	22,200,000	48,421 "	6,457 "
" 31, 1923 ..	26,400,000	53,771 "	7,088 "
" 25, 1922 ..	18,700,000	35,729 "	4,817 "

The Norwegian market is quiet, and the rich catch has occasioned a further drop in prices. The official quotation is about 118s. per barrel c.i.f. London for finest non-freezing steam-refined quality. Buyers are bidding less, but it seems that sellers are unwilling to accept, as prices actually represent a loss. It is suggested that, at about present low figures, the margarine makers will be interested, and if so they would absorb considerable quantities. The prospects for the Finmarken fishery are good. In London, agents are offering at cheaper rates, the range of prices being from 110s. per barrel c.i.f. and upwards; the position is such that bids are being invited.

An Aalesund report, dated March 30, states that the production of cod-liver oil last week was the biggest on record and amounted to 15,089 hectolitres. The total output so far this season has now practically reached that of 1925 for the same period. In spite of this, the market remains unchanged, and the general opinion is that the price is already so very low that a further decline may not be expected. The present market price does not cover the average cost of production, and it must be expected, therefore, that a greater part of the quantity manufactured will not enter the market until prices have again improved.

ERGOT.—Market has barely reopened since the holiday, but prices are firm at from 4s. 6d. to 4s. 9d. for sound Spanish on the spot.

HYDRASTIS is slightly easier on spot in sympathy with U.S., supplies offering at 22s. 6d. per lb.

IPECACUANHA.—Small sales of Matto Grosso from second-hands have been made at 14s. per lb.

MENTHOL has received no attention as yet, spot sellers quoting K/S. at 20s. per lb., and January-March shipment at 19s. 6d. c.i.f.

MERCURY.—The tendency has shown further weakness because of the extremely poor demand, and a few cheap lots have occasionally come on the market. Quotations are about £14 10s. down to £14 2s. 6d. per bottle. The price is still very high, and until trade conditions improve manufacturers are buying as little as possible, in spite of the fact that there is no important weight of metal actually offering.

OPIMUM.—A good business is reported by cable from Constantinople this week, and holders are asking the equivalent of 2s. 1d. per unit for usual druggists' quality, with the possibility of accepting a bid of 1d. less. The following report has been received from Turkey:—

CONSTANTINOPLE, April 1.—“During the period March 17 to date arrivals were as follows: Druggists', 2,003; 'softs,'

317; and Malatia, 257 cases. Stocks amounted to: Drug-gists', 193; 'softs,' 80; and Malatia, 131 cases. No important transactions took place during the past fortnight; prices have advanced, but this is a matter of small importance, since it affects only inferior grades purchased at prices paid some time ago for first quality. All opium recently sold has been taken from stocks held in Constantinople, since supplies from the interior have ceased during the past few days. The law abolishing tithe, which enters into force in a month or two, is an inducement to holders of small stocks in the interior to keep them back until they can profit by the application of the new law. The new crop continues to promise well; however, the present month is decisive as regards the total yield. It is now that the plants require rain, and are affected by any pronounced drought."

PEPPER is easier, fair black Singapore offering at 11d. to 11½d. per lb. on the spot; Lampong is 11d. to 11½d. spot; to arrive, May-July shipment has been sold at 9¾d. c.i.f., and August-October at 8¾d. c.i.f. Tellicherry for March-May is 105s. c.i.f., and Alleppy 105s. c.i.f. White Muntok is 1s. 2¾d. to 1s. 3d. spot, and Singapore 1s. 3½d. spot.

RUBBER is again easier, and fully 1½d. per lb. lower since our last report. The further weakness is chiefly due to the heaviness of the April position, and to the report from the Malay States that the shipments for the whole of March exceed 35,000 tons; this figure was quite unexpected, as shipments for the first half of the month did not reach 13,000 tons. On Tuesday up to 2s. 5d. per lb. was paid for spot, whilst to-day it was done down to 2s. 3d.; in spite of the decline, first-hand importers still refuse to meet the market, with the result that stocks are accumulating week after week. Lower prices may be expected, in view of the number of contracts still open for the April/June position, priced round about 4s. per lb., which have to be liquidated. Stocks last week were further reduced by 954 tons, and the present London stock now stands at 13,740 tons; a further increase is again expected next week. Quotations, Wednesday, 5 p.m.:—No. 1 standard ribbed smoked sheet, spot and April. 2s. 3d.; April/June, 2s. 2¾d.; July/September, 2s. 2d. per lb.

SEEDS.—Owing to the holidays there is nothing fresh to report in the seed market, which remains exceedingly quiet at the following prices:—CANARY SEED.—Mazagan is 24s. 6d. per cwt., Saffi 23s., and Larache 23s. 9d.; good bold Spanish, 35s.; and small, 29s. per cwt. CUMIN SEED.—Maltese is 35s. spot; Morocco is 30s. to 32s. 6d. spot. ANISE.—Spanish 50s., and Levant 42s. CORIANDER SEED.—Morocco is 16s. spot; Russian is 16s. per cwt. DILL SEED is 20s. per cwt. on the spot. FENUGREEK.—Morocco is 13s. 6d. spot. HEMPSEED.—Manchurian is 13s. 6d. per cwt. LINSEED.—Morocco is 20s. MUSTARD SEED.—English is 49s. 6d. per cwt. on the spot.

SHELLAC.—The dullness of the market so far as forward positions are concerned is unrelieved, in spite of the satisfactory statistics for last month, which indicated quite good deliveries amounting to 6,202 cases, while the receipts totalled 5,883 cases. The warehouse stocks were therefore reduced by 319 cases to 15,549 cases, comparing with 11,432 cases at the same date last year. The spot price of usual standard TN orange quality is 135s. per cwt.; fine second orange 180s., superfine 190s. to 300s., AC cakey 150s. to 155s. To arrive, sellers of TN for April-May shipment quote 122s. 6d. c.i.f. Sellers of May delivery quote 122s. 6d., and August 125s. Calcutta spot is rs. 60.

STYRAX.—Genuine, in 40-kilo. cases, is quoted on the spot at 1s. 4d. per lb.

VANILLA.—According to recent advices, Bourbon beans are advancing rapidly, and May-June shipment has been quoted up to 17s. 6d. and 18s. per lb. The Madagascar crop is said to have been very poor, the yield being about one-third that of last year. A large amount of interest has been shown in the article, and large purchases at the recent low levels have assisted in the rise in price. On the spot, 16s. 6d. per lb. is mentioned as the price of Bourbon prime quality of good length, which were offering at 12s. 6d. a few weeks ago.

WAX (VEGETABLE).—Japanese is quite steady at from 82s. 6d. to 85s. per cwt. on spot, and to arrive 75s. c.i.f. is quoted.

Essential Oils

A SHARP decline took place in lemon oil during the week, and a fair business was done; higher prices for certain brands followed. The general demand is only fair. Ceylon citronella has been inquired for, but prices remain unaltered. American peppermint is cheaper. Star anise and cassia have declined. Algerian geranium also is weaker.

ANISE (STAR).—"Red Ship" is slightly easier at 2s. 7¾d. per lb. c.i.f. for cases; drums are offered at 2s. 5d. c.i.f. Spot is nominal at 3s.

BERGAMOT is a shade easier, with offers at 28s. 6d. to 29s. per lb. c.i.f. to arrive for 37 to 38 l.a. On the spot 29s. to 29s. 6d. is quoted.

CAMPHOR.—White essential oil is quoted at 53s. 6d. per lb. in drums.

CASSIA is cheaper for 80 to 85 c.a. on the spot at 8s. 6d. per lb. For shipment 7s. 3d. c.i.f. would probably buy.

CEDARWOOD.—Spot offers are maintained at around 1s. 4½d. per lb. for drums and 1s. 6d. for cases.

CITRONELLA.—There has been more inquiry for Ceylon which is steadier at 1s. 9½d. per lb. on the spot, and 1s. 7½d. c.i.f. Java is unchanged at 2s. 7½d. to 2s. 8d. on the spot, and 2s. 6½d. c.i.f.

CLOVE.—English distillers quote at from 6s. 3d. to 6s. 6d. per lb.

EUCALYPTUS is slow of sale and nominal at 1s. 7½d. per lb. for 70 to 75 cineol.

GERANIUM.—Algerian is weaker at the source at from 140 fr. to 145 fr. per kilo, c.i.f. (=9s. to 9s. 6d. per lb. approx.). On the spot there are sellers at 10s. 6d. to 11s. per lb. Bourbon is quoted at 150 fr. to 155 fr. c.i.f. (=9s. 9d. to 10s. 3d. per lb. approx.), and on the spot about 11s. to 11s. 6d.

LAVENDER.—Genuine French oil, 38 to 40 per cent., is offering on the spot at 18s. 6d. per lb.

LEMON.—During the week a sharp decline took place at the source, sales being effected at 6s., 6s. 3d. to 6s. 6d. per lb. c.i.f. Further offers to buy a well-known brand at the higher figure have been refused and 7s. 3d. asked. At the close the position is irregular. Spot has been quoted at 8s. to 8s. 6d., with practically no demand. There appears to be fair-sized parcels of oil on the spot bought at much higher rates.

LEMONGRASS.—Cochin is steady at 3s. 9½d. per lb. on the spot, and 3s. 6d. c.i.f.

LIME.—West Indian distilled has been sold on the spot at 30s. per lb., with further limited lots on offer. Hand-pressed is nominal at 40s.

ORANGE.—Sicilian sweet on the spot is quoted at 10s. to 10s. 3d. per lb., bitter at 9s. 10d. West Indian sweet is quoted at 9s.

PATCHOULI.—Penang oil is quiet and unchanged at 21s. per lb.

PEPPERMINT.—American is lower with offers for prompt shipment at 60s. per lb. c.i.f. Spot is nominal at 70s. per lb. Lower bids would probably be considered. Japanese dementholised is quiet at 11s. 9d. per lb. spot, and 10s. 9d. c.i.f. sellers of January-March shipment.

It is reported that in U.S. Government circles a considerable increase in the acreage planted in peppermint will be made this year, owing to the high prices of peppermint oil. The Department of Agriculture reported last year that 16,000 acres had been harvested in the peppermint crop, which was much less than the area planted. The latter area was larger than that of 1924. There will probably be a special survey made in June or July of the peppermint crop situation, owing to the great interest shown in the article.

ROSEWOOD (bois de rose) is unchanged, with sellers at from 11s. to 11s. 3d. per lb.

SASSAFRAS.—Genuine American is quoted on the spot at from 4s. 3d. to 4s. 6d. per lb.

SPEARMINT.—American is quiet at the recent lower level of prices, 40s. per lb. being quoted on the spot and a shade less for shipment.

WORMSEED (CHENOPodium).—American is unchanged with sellers at 25s. per lb. on the spot.

The following arrivals of essential oils have taken place from the countries indicated during the period March 31 to April 7 (inclusive).—Almond, bitter (Fr.), 2 cs.; araucaria (Aust.), 5 cs.; bay (B.W.I.), 6 cs.; bergamot (It.), 1 cs.; cajuput (Dutch E.I.), 20 cs.; camphor (Ch.), 5 dm.;

celery (Fr.), 2 cs.; cinnamon (Cey.), 12 cs.; citronella (Cey.), 6 dm., (Br. Ind.) 4 dm., (Guata) 19 dm., (Jv.) 3 dm., (Switz.) 1 dm.; geranium (Réum.), 3 dm.; lavender (Fr.), 4 cs.; lemon (It.), 91 cs.; lemongrass (Fr.) 5 dm., (Ch.) 6 dm., (Cey.) 6 dm.; mandarin (It.), 7 cs.; orange (It.) 10 cs., (W.I.) 30 cs., (U.S.) 24 dm., (Can.) 1 dm., (Fr.) 2 cs., (Czecho-Slov.) 1 cs.; orris (Fr.), 1 cs.; palmarosa (Br. Ind.), 13 pots; patchouli (Seych.) 1 cs., (Straits) 8 cs.; pepper (Germ.), 2 cs.; peppermint (Jp.), 125 cs.; rosewood (Fr.), 2 dm., 1 cs.; sandalwood (W. Aust.) 30 cs., (Germ.) 2 cs., (Brit. Ind.) 56 cs.; vertivert (Jv.), 1 dm.; wormwood (U.S.), 3 cs.; undescribed (Fr.) 27 cs., (Cey.) 1 dm., (It.) 16 cs.

Pharmaceutical Chemicals, etc.

WITH holidays intervening, business has been quiet over the past week. The market continues quite steady, with no change of importance to record. Milk sugar is easier.

ACETANILIDE is well maintained with dealers asking close up to 1s. 7d. per lb. for B.P. crystals and powder on spot.

AMIDOPYRIN remains dull and irregular at from 12s. 6d. to 13s. per lb.

ASPIRIN.—Fair business continues, but prices are cut very fine: quoted from 2s. 4½d. to 2s. 5½d. per lb., according to quantity, for good brands.

BARBITONE remains flat at from about 9s. 3d. per lb.

BENZALDEHYDE (0.03) is quiet at about 2s. 3d. per lb.

BENZOIC ACID (B.P.).—Small lots of Continental, practically free from chlorine, are offered at about 3s. to 3s. 3d. per lb., spot. British, B.P., 2s. to 2s. 3d. per lb., ex works.

BENZONAPHTHOL continues to be offered in five-kilo lots at about 3s. 3d. per lb. Market quiet.

BROMIDES.—Rather more business has been done, and the market continues very steady. Ammonium, 2s. 3d. per lb.; potassium, B.P. crystals and granular, 1s. 8½d. to 1s. 9d. per lb.; sodium, B.P. crystals and granular, 1s. 10d. to 1s. 11d. per lb.

CALCIUM LACTATE is rather easier, owing to very keen price-cutting. Large quantities to come forward are at about 1s. 3½d. to 1s. 4d. per lb.

CHLORAL HYDRATE is very steady with duty-paid crystals at about 3s. 3½d. to 3s. 3¾d. per lb. Business fair in small lots.

CITRIC ACID (B.P. CRYSTALS).—Rather more inquiry on the market, but the tone is still weak, owing to the quantity of second-hand material still to be cleared; spot, 1s. 3d. to 1s. 3½d. per lb., less 5 per cent. for large quantities.

CREOSOTE (B.P.) is steady but quiet at 1s. 10d. per lb.

CREOSOTE CARBONATE has met with occasional small demand with the price steady at 6s. 3d. to 6s. 6d. per lb.

GUAIACOL CARBONATE, which is now controlled by a syndicate, stands firm at about 7s. 9d. per lb. for small lots.

HEXAMINE has been moving well, but prices are generally cut fine for important business; quoted from 2s. 4d. to 2s. 6d. per lb.

HYDROQUINONE is quoted at about 4s. 7d. to 4s. 11d. per lb., but slightly less might be accepted for large orders.

LACTIC ACID (B.P.).—Dealers' prices are still close up to 2s. 4d. per lb. for quantities in demijohns; technical, 50 per cent. by weight, £41 per ton, net, spot.

LITHIUM SALTS.—Makers have reduced prices, quoting bromide at 8s.; carbonate, 9s.; citrate, crystals 6s. 9d., powder 7s.; iodide, 20s. 6d.; and oxide, 26s. per lb.

METHYL SALICYLATE is steady and in fair demand with prices from 1s. 5½d. to 1s. 5¾d. per lb., in demijohns; small lots in bottles, 1s. 10d. per lb.

MILK SUGAR.—Owing to competition prices are easier; finest Dutch (B.P. powder) is about 70s., and German 68s. per ewt.

METHYL SULPHONAL is dull and unsteady at about 15s. 9d. to 16s. per lb.

MUSKS (ARTIFICIAL).—The convention prices for artificial musks as fixed by the seven manufacturers (*C. & D.*, March 13, p. 387) are as follows: *Ambrette*, 29s. per lb.; *Ketone*, 32s.; *Xylol*, 8s. Discounts ranging from 3 to 10 per cent. are allowed, according to the quantity purchased.

PARAFORMALDEHYDE.—The market is steadier with prices at about 1s. 8½d. to 1s. 9d. per lb., according

to quantity. Some parcels of "reparation" origin are offered at slightly less than the foregoing.

PARALDEHYDE remains quiet at from 1s. 2d. to 1s. 4d. per lb., according to quantity and packing.

PHENACETIN is steady and in fair demand at cut prices: quoted from 4s. to 4s. 2d. per lb.

PHENAZONE is also steady at from 5s. 11d. to 6s. 1d. per lb. Business fair in small lots.

PHENOLPHTHALEIN is offered in one-cwt. lots at 4s. 2d.; lower prices would be taken for quantities.

POTASSIUM PERMANGANATE (B.P.).—Good business continues, but competition is very fierce; five-cwt. lots in drums are offered at 6¾d. per lb.; smaller quantities about 7d. per lb.

POTASSIUM SULPHOGUAIACOLATE remains dull with dealers quoting about 5s. 3d. to 5s. 6d. per lb.

RESORCIN is firm with small lots at 5s. 3d. per lb.; slightly less for quantities.

SALICYLIC ACID (B.P.).—Good business at cut prices reported; quoted from 1s. 3½d. to 1s. 4½d. per lb., according to quantity. British makers' prices unchanged at 1s. 3d. to 1s. 5d. per lb., ex works; technical, 10½d. to 10¾d. per lb.

SALOL is steady with dealers quoting about 3s. 3d. to 3s. 4d. per lb.

SODIUM BENZOATE (B.P.).—A fair business continues at about 1s. 7½d. to 1s. 8d. per lb.

SODIUM DIETHYLBARBITURATE is very dull at from 10s. 6d. per lb.

SODIUM SALICYLATE (B.P.).—Dealers' prices are attracting fair business; crystals, 1s. 9¾d. to 1s. 11d. per lb.; powder, 1s. 9½d. to 1s. 10¾d. per lb., according to quantity. British makers' list price for B.P. powder, 1s. 9d. to 2s. per lb., ex works.

STRYCHNINE.—Makers quote pure crystals, 2s. 3d.; powder, 2s. 2d.; hydrochloride, 1s. 11d.; and sulphate, 1s. 10d. per oz.

SULPHOCARBOLATES are cheaper, makers offering sodium at 1s. 2d., and zinc at 1s. 3d. per lb.

SULPHONAL remains dull with dealers' prices about 11s. to 11s. 3d. per lb.

TANNIC ACID (B.P.) is very steady and moving moderately well. Dealers quote 2s. 8½d. per lb. for quantities in cases and 2s. 11d. for small parcels.

TARTAR EMETIC continues to be offered for arrival at about 11½d. to 11¾d. per lb. for technical 43 to 44 per cent.; B.P., 1s. 10d. per lb.

TARTARIC ACID (B.P.) remains quiet and prices are still at the low levels of 11½d. to 11¾d. per lb., less 5 per cent. for foreign.

TERPIN HYDRATE remains dull with dealers quoting 1s. 8d. per lb.

THYMOL is bright with dealers' prices attracting fair business in the region of 12s. per lb. and upwards.

VANILLIN (100 per cent. from cloves) is fairly steady with dealers' prices very competitive at about 21s. 9d. to 22s. 3d. per lb. British make is quoted at about level prices.

Industrial Chemicals, etc.

London, April 7.

THE market has been subdued during the few days of business of the past week. Prices, however, continue very steady and there is little change to comment upon.

ACETIC ACID is fairly steady, but business continues poor: 80 per cent. technical £37 10s.; 80 per cent. pure, £38 10s. per ton, in barrels. Glacial, pharmaceutical, 99 to 100 per cent., £65 15s., in glass demijohns; glacial, in barrels, £55 per ton, ex wharf.

ACETONE continues to meet with good business and prices are steady at about £80 to £81 per ton for B.G.S., in drums.

ALUM is steady with lump, in casks; spot is quoted at about £8 10s. per ton. Prices for forward delivery in quantities at lower rates.

AMMONIUM CHLORIDE has been much quieter, with grey galvanising quoted at about £23 per ton, in casks, ex wharf; lower prices for quantities to arrive.

BARIUM CHLORIDE (93 to 100 per cent. prime white crystals) is firm on spot but easier forward; spot, £10 10s. per ton, in casks; demand good.

COPPER SULPHATE is very dull on the basis of about £24 5s. to £24 10s. per ton f.o.b. for casks for export. Competition for orders would seem to become accentuated while Continental makers are taking comparatively low terms.

CREAM OF TARTAR is steady, with a fair amount of business being done. Dealers quote at about 76s. to 77s. per cwt., less 2½ per cent. for B.P. quality.

EPSOM SALT is quiet but is steady: commercial quality, in single bags, £5 2s. 6d. spot; cheaper prices to arrive.

FORMALDEHYDE remains very quiet, and prices are easy as quoted at about £40 per ton for 40 per cent. by volume.

GLAUBER'S SALT is moving very slowly on spot, with commercial quality at about £5 12s. 6d. per ton, in single bags; shipment prices for quantities are at lower figures.

LEAD PRODUCTS.—Lead acetate, brown, £41 7s. 6d.; white, £42 15s. per ton, spot; red lead, imported, about £39, c.i.f. London, and irregular; white lead, dry, £36 10s.; ground in oil, £38, c.i.f. London. Business continues fairly good.

LITHOPONE is moving quite well, with dealers' prices steadily maintained at about £21 10s. per ton for 30 per cent. Continental red seal, on spot; cheaper prices to arrive.

OXALIC ACID.—A fair amount of business has been done at cut prices: quoted at 3½d. to 3¾d. per lb., according to quantity, ex wharf, to arrive.

POTASH CAUSTIC is steady, with moderate spot business: 88 to 92 per cent, solid, £27 10s. per ton, in drums; cheaper for large quantities to arrive.

POTASSIUM CARBONATE is steady, with a fair business: spot, 90 to 92 per cent., £24 15s.; 96 to 98 per cent., £26 15s. per ton, in casks; cheaper prices for forward delivery.

POTASSIUM CHLORATE is bright, with quite good business: powder, 3¾d. per lb., in kegs.

POTASSIUM PERMANGANATE is moving fairly well, but prices are being cut very fine: commercial quality, in drums, quoted at 5½d. per lb.

POTASSIUM PRUSSIAN is steady at last week's higher price of 7½d. per lb., in casks, spot; cheaper to arrive.

SAL AMMONIAC has been much quieter: dog-tooth crystals, £30; medium, £28; fine white crystals, £19 10s. per ton, delivered, in bulk.

SODIUM ACETATE continues weak as quoted on spot at £20 per ton; cheaper to come forward.

SODIUM CHLORATE has been moving well and prices are now rather firm at about 3½d. per lb.

SODIUM HYPOSULPHITE is steady and in fair demand. Dealers' prices: pea crystals, £14 7s. 6d. to £14 10s. per ton, in one-cwt. kegs; commercial quality, £9 per ton, in casks, ex wharf. British makers quote pure crystals to home consumers at £14 to £15 per ton, according to quantity, delivered to buyer's station.

SODIUM SULPHIDE is very quiet: 60 to 62 per cent., solid, £11 5s.; broken, £12 5s. per ton, in drums, ex wharf.

Fixed Oils, etc.

A QUIET tone prevails throughout this section and there has been a general cessation of business over the holidays. Although matters are dull the markets continue fairly steady. ACID OILS are quiet but fairly steady: coconut and palm kernel, 38s.; groundnut, 36s.; soya, 35s., all spot. CASTOR is dull and prices are easier: pharmaceutical, 50s. 6d.; first pressings, 45s. 6d.; second pressings, 42s. 6d. per cwt., in barrels, on spot, in not less than one-ton lots. COCONUT is very quiet but steady: deodorised, spot, 51s.; Ceylon, 45s. c.i.f.; Cochin, 54s. c.i.f. COTTON is quiet, with values about level on the week: deodorised, 47s.; common edible, 45s.; soap-making, 43s.; crude, 38s., spot. GROUND-NUT is dull: deodorised, spot, 52s. 6d.; crude, Oriental, 47s., c.i.f. PALM KERNEL is dull: deodorised, 47s. 6d.; crude, 45s. 3d., spot. PALM.—Business has been poor, but prices are fairly well maintained: Lagos, 37s. 9d.; softs, 37s. 6d.; mediums, 38s. 3d.; hards, 38s. 6d.; bleached, 40s. 3d., spot. RAPE is steady but quiet: refined, 52s. 6d.; crude, 50s. 6d.; spot. SOYA is steady, with fair business: deodorised, 44s.; crude, 40s. 5d., spot. LINSEED (raw, naked).—Prices are easier on the week, but the market is now fairly steady: On spot, 30s. 9d.; April, 29s. 3d.; May to August, 29s. 7½d.; September to December, 29s. 10½d.; boiled oil, 32s. 6d., spot. Hull: on spot, 29s. 9d.; May to August, 29s. 9d.; September to December, 29s. 10½d. TURPENTINE.—Between somewhat easier American cable advices and the more restricted demand from consumers on this side on account of the holidays, the tendency of the market has been easier again, having also been affected by the fact that all April tenders are out. Last week's deliveries were 1,768 barrels, making an aggregate of 31,613 barrels since January 1, against 25,802 barrels in the same period last year, and the stocks were returned at 30,051 barrels, as against 21,076 barrels a year previous. The London spot market closed on Wednesday at 62s. 9d., May-June 62s. 6d., and July-December 55s. 3d. per cwt. WOOD.—Hankow, in barrels, on spot remains dull at 60s. per cwt., and April-May shipment is 58s., c.i.f. There has been a rather better inquiry for RESIN, especially for near positions, and it is held that, as the American crop is belated, any decided improvement in demand would show

up the scarcity of stocks. C.i.f. terms for American range from 20s. for B. up to 30s. for K.M., while N. is quoted 30s. 6d., W.G. 31s., and W.W. 31s. 9d. Spot terms command about 9d. over c.i.f. terms, except for the last-mentioned grade, which is scarce and commands fancy rates.

Indian Shellac

ONE of the recommendations of the Taxation Inquiry Committee (says the Calcutta correspondent of "The Times") now under the consideration of the Government of India is an export duty on shellac, a product which, for all practical purposes, is an Indian monopoly, and therefore, like jute, offers an obvious and easy target for the tax-gatherer. A small customs duty (4 annas a maund) is at present levied on exported shellac, but the revenue so obtained, as the Commerce Member explained when recently introducing legislation continuing the tax for another five years, is utilised exclusively on behalf of the industry by the Indian Lac Research Association, a thoroughly representative body formed in 1921 when the industry and the Government of India were alarmed at the progress made with synthetic substitutes for shellac.

Matters have got so serious (the Commerce Member informed the Legislative Assembly) that it is estimated that 10 per cent. of the English trade in shellac has been captured by synthetic substitutes. The shellac trade itself is much alarmed at that situation, and so are we; and that is why we (the Government of India) put on this cess; we collected the money for the Lac Research Association, and they devoted it to research. The exports of shellac are estimated to amount to over Rs.7 crores, and even this small cess brings in an income of over a lakh. Some delay occurred in getting accommodation, but after some time the Research Association managed to get a very suitable site from the Bihar Government, which is, of course, very materially interested. They have now built their laboratory buildings and they have engaged a technical staff.

The Legislative Assembly adopted the measure, renewing the customs duty thus referred to above for a further five years. Apparently the "alarm" felt by the Government of India and the industry concerning synthetic substance is not shared by the Taxation Inquiry Committee, which declares that success has not hitherto been attained in reproducing the qualities which render shellac valuable. "In particular," the Committee declare, "the Germans found that the use of shellac substitutes rendered their electrical machinery unfit for use in hot countries." It is further maintained that owing to price fluctuations it is doubtful whether a moderate export duty would have any appreciable effect in driving customers to the use of substitutes. Evidence has been given of the establishment abroad of factories for the manufacture of shellac from stick-lac, and if this development constitutes a danger to the Indian shellac manufacturing industry, the imposition of a protective export duty on manufactured lac would, in the Committee's opinion, be justifiable. The yield of an export tax at the rate of 5 per cent. *ad valorem* at present prices would be about 38 lakhs. It is questionable whether a raising of the price of natural shellac is quite the right way to discourage the pursuit and use of substitutes; the tax suggested, however, is moderate and, in view of the desirability of encouraging local manufacture, it seems improbable that the Committee's recommendation will meet with effective opposition.

Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at 4 p.m. on Wednesday:—

Place	Method of Quoting	Par of Exchange	March 30	April 7
Amsterdam	Fl. to £	12.107	12.12½—13.00	12.12½—12.12½
Berlin	M. to £	20.43	20.42—20.43	20.42—20.42½
Brussels	Fr. to £	25.22½	151½—151½	124½—124½
Bulgaria	Lev. to £	25.22½	655—675	660—680
Calcutta	Per rup.	24d.	17½d.—18d.	17½d.—17½d.
Constantinople	Pst. to £	110	950—970	965—980
Copenhagen	Kr. to £	18.159	18.56—18.58	18.57—18.59
Greece	Dr. to £	25.22½	369—372	372—374
Hong Kong	T.t. \$	—	27½d.—27½d.	27d.—27½d.
Italy	Lire to £	25.22½	120.80—120.90	120.80—120.90
Kobe	Yen.	24.58d.	22½d.—22½d.	22½d.—22½d.
Lisbon	Escu.	53d.	2½d.—2½d.	2½d.—2½d.
Madrid	Pcs. to £	25.22½	34.49—34.51	34.38—34.39
Montreal	\$ to £	4.86½	4.87—4.87½	4.86½—4.86½
New York	\$ to £	4.86½	4.86½—4.86½	4.86½—4.86½
Oslo	Kr. to £	18.159	22.75—22.78	22.61—22.64
Paris	Fr. to £	25.22½	141½—141½	139.60—139.70
Singapore	Per dol.	—	28½d.—28½d.	28½d.—28½d.
Stockholm	Kr. to £	18.159	18.12—18.12½	18.13½—18.14½
Switzerland	Fr. to £	25.22½	25.24—25.25	25.20—25.21
Vienna	Sh. to £	24.02	34.45—34.50	34.43—34.48
Warsaw	Zloty to £	25.22½	37 sellers	38 sellers



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

The "C.O.D." Postal Service

SIR,—The reception of the new C.O.D. parcel service has been somewhat varied; but there is one aspect of a C.O.D. parcel post which has probably not occurred to the postal officials. As retailers we have been worried in the past by the reception of parcels of goods, often new lines just placed on the market, which have not been ordered and which are sent to us "on spec," the invoice being sent in some time afterwards. Imagine this plan being adopted with a C.O.D. parcel service; no householder whose name was in the directory would be free from unordered parcels. If he had not ordered any goods and was not expecting a parcel himself, some member of his family might have done so; and as the parcel is not allowed to be opened before payment is made, it is quite possible that he might foot the bill and take it in sooner than run the risk of returning goods which may be required. With regard to unordered parcels from wholesalers, these have died down somewhat since the matter was ventilated in the *C. & D.*; but I often wonder what pushful proprietors would say if they received by return a few bottles of my favourite cough mixture accompanied by a bill.—Yours, etc.,

UNREQUIRED (29/3).

Foods from Welfare Centres

SIR,—The report of a prosecution at a London police court (*C. & D.*, April 3, p. 478), in which a woman was charged with obtaining a proprietary food from a borough council by means of an alleged false statement, is a welcome sign that the authorities are aware of the fact that welfare centres may be abused. It is not an unknown occurrence for one customer to address another one purchasing infant's food in a pharmacy and advise her not to pay that price as it is so much cheaper at "the welfare," both being well dressed and presumably well off. But if the pharmacist takes the matter up, the distributor of free advice hedges immediately, and no action can be taken. Now, however, I believe, many centres are compelling applicants to sign a form stating the husband's income; and if a wrong declaration is made, action can be taken. A few more prosecutions may lead to a stoppage of this abuse.—Faithfully yours,

OBSERVANT (6/4).

Registration of Opticians

SIR,—The Minister of Health, replying to the deputation of opticians (*C. & D.*, April 3, p. 484), said that, although he admitted their claim for the registration of qualified refractionists up to a certain point, the difficulty out of which he could not see his way was how errors of refraction could be distinguished from cases of disease. It is a pity that one of the members of the deputation had not taken a pinhole disc with him, when he might have enlightened the Minister by a practical demonstration. In the standard text-books on sight-testing this test is given as an almost infallible way of determining between the two; a pinhole gives a well-defined image of an object with sufficient illumination, and if defective vision is due to an error of refraction the pinhole will improve it, the amount of the improvement generally being the measure of the correction needed. But if vision is not improved, then, as the pinhole is still forming the same image, it shows that the image is not being conveyed to the brain, due to some pathological trouble, and the case is one for medical treatment. As a matter of fact, all qualified opticians are particularly careful to watch for any signs of disease, as one of the conditions under which they hold their diploma is that they do not treat such cases, though they are more competent to detect such symptoms than general practitioners who have not specialised in optical

work. Some time ago a man came to me for glasses, and on examining his eyes I detected an incipient opacity in the lens, and at once asked him if he had had any previous treatment, when he told a history of visits to three doctors, being treated successively for rheumatism, indigestion, and over-smoking; not one of them had suggested the possibility of cataract; this was confirmed by the specialist to whom I sent him. In this way an optician with training and experience is a safeguard to the public.—Yours, etc.,

OPTICS (6/4).

Legal Queries

A. A. (29/3).—The wrapper of the dusting powder you send does not show any ground for liability to medicine-stamp duty.

S. C. W. (31/3).—The label and wrapper for the quinine and iron tonic do not show any ground for liability to medicine-stamp duty.

Caveat (6/4).—Red lead is not a poison within the meaning of the Poisons and Pharmacy Acts, consequently does not come within the Labelling of Poisons Order.

S. H. (3/4).—Battle's Bromidia is stated to contain in each ounce chloral hydrate 91 gr., potassium bromide 91 gr., extract of cannabis indica 1 gr., and extract of hyoscyamus 1 gr. These drugs are not at present included in restrictions of the Dangerous Drugs Acts, although authority to issue regulations dealing with ext. cannab. ind. has been obtained.

H. S. & S. (29/3).—*Pil. coloc. et hyoscy.* B.P., owing to its content of ext. hyoscy., must, according to the Labelling Order, show the proportion of the poison on the label, and the title "*pil. coloc. et hyos. B.P.—Poison.*" There appears to be a difference of opinion over this B.P. preparation. Some chemists are ignoring the requirement on the principle of *vin. ipecac.*, others are labelling it "*Poison.*" The only satisfactory answer which we can give is that it is a preparation containing a poison, therefore it must be labelled.

Iodide (29/3) is tenant of a combined house and shop at an annual rent of £40 under a lease for ten years which will expire in September, 1927. He has never resided in the living portion of the premises which he has sub-let. If he starts to occupy the premises in the meantime, will he be able to claim the protection of the Rent Restrictions Acts against being evicted when his lease expires? For how long does the protection of the Acts last? [The Acts continue in full force until December 25, 1927, up to which date a landlord will be able to obtain possession only upon one of the specified grounds. After that date, for a further period of five years, the Court may refuse to give a landlord possession if it considers that the demand is "harsh or oppressive," or that "exceptional hardship" would be caused to the tenant if he were to be evicted. However, as "*Iodide*" has never resided on the premises and has, apparently, sub-let the whole of the premises except the shop, we consider that he may have forfeited his right to the protection of the Acts after his lease expires, even if he enters into occupation before that time.]

Appreciations

The *C. & D.* is quite invaluable to me; every commercial traveller in the drug-trade should be a subscriber.—*B. P.* (8/2).

I enclose cheque, £1, my subscription for your valuable paper, which I should not like to be without.—*F. R. P.* (4/12).

The *C. & D.* is of such invaluable assistance in our business that we should not like to be without it.—*E. M.* (27/2).

A reader since 1881, I send the needful 20s. on. The *C. & D.* is more useful to-day than ever before, would gladly pay double your fee or more. "If there had been no *C. & D.*, alas, alack for you and me."—*M. H. R.* (8/1).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. H. (16/3).—STERILISING NEEDLES AND LIGATURES.—Absolute alcohol is generally regarded as the best for sealed tubes of silkworm gut, and certainly for needles. The best antiseptic is 0.5 per cent. of trikresol, with 0.5 per cent. of glycerin added so as to avoid resultant harshness of gut. Industrial spirit 64 o.p. is frequently used for ligatures. For ligatures 0.5 per cent. of trikresol is the best antiseptic to use, and the same method as above is employed. Cleansing the packing tubes chemically is an advantage, otherwise there is nothing special to note except preparing them for a few days in 1 in 20 carbolised alcohol (industrial) and then packing in the trikresol alcohol.

J. S. (19/3).—Daffodil (*Narcissus Pseudo-Narcissus*) contains a poisonous alkaloid lycorine or narcissine in the proportion of 0.1 to 0.18 per cent. of the fresh bulbs. A paper by Mr. T. Wilson, Ph.C., in which the subject was dealt with in detail, was printed in the *C. & D.*, February 9, 1924, p. 204.

Raspberry (19/3).—Fermentation of the raspberry vinegar is the cause of the bursting of bottles containing a mixture of the vinegar and olive oil. The raspberry vinegar probably contains a deficiency of sugar.

A. H. (19/3).—The object of adding the colouring matter to egg powder in a liquid form is to ensure its being distributed evenly and to give a rich appearance to the powder. The equivalent amount of colour can be added in the form of powder.

B. C. (20/3).—LIQUID COCONUT SHAMPOO.—See *C. & D.*, October 3, 1925, p. 492, October 17, p. 540, or The *C. & D.* Price List Formulary.

A. L. (20/3).—You will find Harmsworth's "Home Doctor," now being published in parts by the Amalgamated Press, very suitable as a supplementary volume to "Diseases and Remedies."

F. J. A. H. (20/3).—THER. ANDR. is a shortened form of Theriaca Andromachi. It was last official in the London Pharmacopœia 1746, when it consisted of sixty-six ingredients. It was reputed to contain the antidote of every poison.

A. E. S. (20/3).—WORMS ON LAWNS.—The following are effective liquid preparations for destroying worms in lawns: (1) Lime water. (2) Chlorinated lime solution (7 lb. in 100 gallons of water), followed by the use of plain water. (3) Mercury perchloride 1 lb., hydrochloric acid 22 oz., water to 1 gallon. Add a teacupful to 10 gallons of water and water the lawn with the liquid.

A. F. B. (20/3).—ARTIFICIAL SMOKE.—The most satisfactory artificial smoke is generally considered to be that made by combining the vapours of liq. ammonia and ac. hydrochlor. Assuming that in the window show a continuous flow of vapour is to be passed through, say, a pipe, the following method is suggested: Two Wolff bottles, with rough pieces of pumice lining the bottom of the bottles, are filled more than half capacity with concentrated hydrochloric acid in the one and ordinary liq. ammon. in the other. The inflow tubes of both bottles are fitted by means of rubber tubing to a glass T-piece, which is, in turn, attached to a rubber tube leading from a cylinder of compressed air. This should be fitted with a regulator. The outflow tubes of the Wolff bottles should be similarly fastened to a T-piece, which, in its turn, communicates with the smoke apparatus. The current of compressed air should be reduced to the slowest possible flow that promotes the movement of acid and ammonia towards chemical union. Small screw regulators should also be fitted to the inflow rubber tubes of the Wolff bottles to facilitate this. Theoretically, one air cylinder should last a long time, but in inexperienced hands there is likely to be a fair amount of leakage until the correct flow is obtained, and one cylinder should be kept in reserve. The acid and alkali, being enclosed, are not harmful to other articles. If the smoke apparatus is very wide,

experiment could be made with an enamelled colander in which large pieces of pumice soaked in acid are exposed to conc. liq. ammon. vapour coming from a vessel, of which the colander forms the lid. The whole could then be enclosed. Here, also, a flow of air is required. But in this case an electric fan might be utilised instead of the cylinder. In both cases acid and alkali, of course, require renewal.

A. P. (22/3).—We do not know the composition of the headache tablet to which you refer; but we should not assume that it differs greatly from the ordinary run of these remedies.

T. W. Co (22/3).—WATER SOFTENING.—A system of softening large quantities of well water for drinking purposes must be founded on an analysis of the water. The process consists of adding to the water a quantity of milk of lime chemically proportionate to the carbonate held in solution.

W. T. S. (23/3).—The choice of preservatives for the paraffin emulsion for infants' use is limited, but generally the employment of chloroform water, B.P. '85, in place of plain water, and a fair proportion of glycerin answers the purpose you have in view.

T. G. G. (24/3).—(1) The fungus that grows in wine cellars is peculiar to that position, and is favoured by defective ventilation. On the other hand, cellars for storing wine are not required to be well ventilated. The beams and brickwork should be cleansed and lime-washed, a proportion of chlorinated being added to the distemper. (2) FRENCH MUSTARD.—The following are representative formulas:—

1	2
Salt,	Parsley.
Sugar ... of each 2 oz.	Watercress ... of each 4 oz.
Powdered anise,	Shallots,
Powdered cinnamon	Celery-seed ... of each 3 oz.
of each 2 dr.	Cinnamon ... ½ oz.
Powdered fœnugreek 1 dr	Cloves ... ¼ oz.
Worcester sauce ... 1 oz.	Nutmeg ... ½ oz.
Tarragon vinegar ... 1 oz.	Pepper ... ¼ oz.
Mustard flour ... 1 lb.	Grind these ingredients
Vinegar to form a thick cream.	fine and macerate in 1 gallon of vinegar for a month, then mix with—
	Mustard flour ... 10 lb.
	Salt ... 4 oz.
	Olive oil ... 3 oz.
	Reduce the mass to proper consistence with vinegar.

F. & C. (Piræus) (25/3).—Sulphur is soluble in carbon disulphide to the extent of about 40 per cent., and about 182 parts are dissolved in 100 parts of the liquid at 55° C., the boiling point of the saturated solution.

E. S. H. (27/3).—MOSQUITO AND GNAT PREVENTIVE.—The following are good preparations for preventing insects biting the face, neck or legs:—

I	II
<i>Eucarcil</i>	Oil of cassia ... 1 oz.
Eucalyptus oil ... 2 oz.	Essential oil of camphor ... 2 oz.
Liquid carbolic acid 4m	Olive oil ... 3 oz.
Citronella oil ... 2 oz.	

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," April 15, 1876

Patent Medicines in Parliament

On February 20, in the House of Commons, Colonel Leigh asked the Home Secretary whether he saw any objection to obliging all owners of quack medicines to declare the ingredients of which the doses were made previously to being allowed to sell them (as was done in France), since much illness and loss of life prevails, especially among young children, from the unrestricted sale of quack medicines, the basis of which is often laudanum or some noxious or dangerous compound. Viscount Sandon said the subject referred to had only been brought recently under the notice of the Lord President of the Council. It opened up some very important questions, and it was receiving His Grace's consideration, and he must ask the hon. and gallant member to allow him not to state an opinion upon it at present.



[Commenced C. & D., July 5, 1924]

Fairchild Scholarship and Prizes.—The Fairchild Scholarship and Prizes were established in 1904 by Fairchild Brothers and Foster, New York, in recognition of the good relationship which has always existed between the firm and British pharmacy. This was the first scholarship for the future chemist and druggist which introduced the principle of an examination in business subjects. The prize consists of £50, designed to assist the student in his college fees, and a prize of £5 for the first student in England, Wales, Scotland and Ireland. Railway fares to the appointed centres exceeding 5s. are refunded on application to the secretary. The examination takes place in June each year; students must be between twenty and twenty-two years old, subject to certain dates, and have been registered. The subjects are chemistry, physics, botany, pharmacy, and business knowledge. The object is to encourage study during apprenticeship, and the scheme has been moulded to assist the student's progress under the new regulations through what was called Part II, but is now acquiring the name of the Qualifying examination. The examination is governed by trustees, and full particulars can be had from the Secretary, Fairchild Scholarship and Prizes, 64 Holborn Viaduct, London, E.C.1.

Farmers' Requirements.—Successful trade with farmers involves devoting special attention to substances used in agriculture and to medicines for animals. Chemists in various parts of the country are giving their colleagues a lead in opposing the indiscriminate grant of poison-licences to unqualified persons, and the eventual outcome of this policy should be the restoration of some of the trade in sheep dips and weed-killers that has been allowed to drift elsewhere. This is one line of attack: another is the study of agricultural science in current publications, rendering the chemist superior to the unqualified trader in actual knowledge of the problems confronting the up-to-date farmer. The quarterly "Progress of Pharmacy and Allied Sciences" in THE CHEMIST AND DRUGGIST gives a general idea of the research that is going on in many parts of the world in agricultural chemistry; and more detailed information on specific topics may be gained from such monographs as the leaflets issued by the Board of Agriculture and the bulletins of the United States Department of Agriculture. Apparatus for spraying is on view at many trades exhibitions, enabling chemists to gain an insight into the working of such appliances and to decide whether they are worth stocking. Formulas for such preparations as

Bordeaux mixture, lye sulphur wash, and soft soap wash are contained in "Pharmaceutical Formulas" and the C. & D. Retail Price List Formulary. In selling artificial fertilisers it should be borne in mind that the invoice must give particulars as to phosphates and other constituents present. (See Fertilisers.) As to medicines for horses, cattle and other animals, "Veterinary Counter Practice" (C. & D. Offices, 7s. 6d.) gives valuable hints on treatment and indicates the wide range of remedies employed. Own-name veterinary proprietaries can be made very successful by giving them judicious publicity; at the same time, it should be remembered that many farmers, while availing themselves of proprietary remedies for their animals, retain no little faith in recipes given them by friends or handed down by their predecessors, possibly for several generations. An important point in making up customers' own formulas is to emphasise the freshness of all ingredients used.

Facia Tablets.—It is generally an advantage for the chemist to supplement his name on the facia above the window by showing it in a prominent position elsewhere upon the shop-front. In a crowded street this applies with particular emphasis. The particulars can be repeated on smaller facia or stall plates at the bottom of the window, or by means of facia tablets on the side walls or pilasters of the shop-front. A frequent custom is to have the names of some of the goods which are sold in the shop painted or incised on these tablets on each side of the window, in a manner uniform with the upper and lower portions of the shop-front. For example, where a shop-front is executed in bronze metal and marble, panels of bronze metal with gold incised letters provide a very effective pilaster treatment.

Fats are mixed glycerides of fatty acids, in which a glyceryl radicle (C_3H_7) is combined with three molecules of fatty acid. Fats differ from fixed oils in containing a higher proportion of saturated fatty acids (such as stearic and palmitic acid) whereby they become solid at ordinary temperatures. The properties of fats (apart from their higher melting-point) are those of the non-drying fixed oils, such as olive oil. The principal natural fats are tallow (from the ox), suet (sheep), lard (pig), marrow fat (beef bones), horse fat, bone fat, wool fat (lanolin), and butter fat. These differ considerably in appearance and odour, according to the animal organ used and its state of preservation. Edible fats such as butter, suet, and lard, which are carefully prepared, are usually free from the rancidity which is often marked in tallow, bone fat, etc., used in soap-making. Prepared fats, such as margarine and compo-lard, are made in enormous quantities for cooking purposes. Stearin, which is obtained from lard or tallow by pressing out the liquid "olein," is used in candle-making. There are various vegetable fats or butters, sometimes known as expressed oils, these being bay oil (expressed), Chinese tallow, cacao (cocoa) butter, coconut oil, macassar oil, palm oil, nutmeg (or mace) butter, shea butter (and other bassia oils). The source and approximate characteristics of fats and expressed oils are given in the following table:—

Animal Fats	Source	Sp. gr. at 16° C.	Sp. gr. at 98 to 100° C.	Melting Point (° C.)	Solidifying Temperature (° C.)	Saponification value	Iodine value
Bone fat	Bones	0.914-0.916	0.859	21-22	15-17	191	46-56
Butter fat	Cow's milk	0.926-0.940	0.867-0.870	28-35	20-30	227	26-38
Lard	Pig	0.934-0.938	0.859-0.860	36-41	27-30	195.4	50-70
Horse fat	Horse, etc.	0.919	0.861	34-54	30-43	195-197	71-86
Marrow fat	Ox bones	0.931-0.938	0.858	37-45	29-31	199	55.5
Suet	Sheep	0.937-0.953	0.856-0.859	45-50	37-48	192-196	33-46
Tallow	Ox	—	0.856-0.859	36-49	33-48	193-200	38-46
Vegetable Fats							
Bay oil	Fruit of <i>Laurus nobilis</i>	0.933	0.878	32-34	25.0	197.9	68-80
Cocoa butter	Seeds of <i>Theobroma cacao</i>	0.950-0.976	0.857-0.858	28-34	21.5-23.0	194	32-41
Coconut oil	Nuts of <i>Cocos nucifera</i> and <i>C. butyacea</i>	1.000	0.903	20-28	16-23	246-260	7-9
Macassar oil	Seeds of <i>Schleichera Trijuga</i>	0.924	—	22	10	221	49-53
Nutmeg oil	Seeds of <i>Myristica fragrans</i>	0.945-0.996	0.898	38-51	41-42	154-191	50-81
Palm oil	Fruits of <i>Elais guineensis</i>	0.952	0.857-0.861	23-28	20-22	242-250	13-14
Shea butter	Seeds of <i>Bassia Parkii</i>	0.9175	0.859	25-28	17-19	179-192	56
Bassia (or illipe) oil	Seeds of <i>Bassia longifolia</i>	—	—	28-31	19-22	190-194	53-67

The waxes are akin to true fats, but differ in possessing a different chemical composition from fats, having a

lustre and polish when spread in thin layers. They are simple fatty acid esters of aliphatic alcohols.

The C.&D. Commercial Compendium

Facia.—The facia or sign-board over the shop should be in keeping with the general style of the façade. Those with incised gold lettering and glass fronts are now less popular, and have been replaced to a great extent by solid bronze-metal lettering, affixed to either a white opalite background or to the solid marble or granite. A background of polished wood is sometimes preferable for the facia with some types of shop-fronts. One uncommon and attractive style of modern facia takes the form of the reproduction of the retailer's signature, in bronze-metal lettering on an opalite background. A similar treatment can also be given to the smaller name-plates in the window riser—the sloping front of the window base. An alternative method for the chemist who does not have his name shown on the window riser is to have small stall plates affixed above the stall riser. The latest types of facia and name-plates can be illuminated. The lettering is cut out, and the light showing through the opalite background makes the name stand out prominently.

Fatty Acids was the term originally applied to the product obtained when a soap (produced by saponification of fat with an alkali) is decomposed by the addition of a mineral acid. Such fatty acids consist largely of oleic, palmitic, and stearic acids. The aliphatic acids of chemistry of the acetic acid series $C_nH_{2n+1}COOH$, are now also designated as fatty acids, but to this homologous series must be added the unsaturated fatty acids (oleic, etc.) hydroxylated fatty acids (ricinoleic). The lower members of the saturated fatty acids series are volatile liquids with pungent odour and taste. Their solubility in water and volatility decreases with increasing molecular weight until the higher fatty acids, such as palmitic acid, are insoluble, and can only be distilled at sub-atmospheric pressure in a current of superheated steam. The principal aliphatic fatty acids are as follows, the melting and boiling points referring to normal or straight stearic acid:—

Acid	Occurrence	Formula	Melting Point °C	Boiling Point °C
Formic ..	Ants, stinging nettles	$H.COOH$	+ 9.0	100.6
Acetic ..	Vinegar	$CH_3.COOH$	+ 16.6	118
Propionic ..	Lactic fermentation	$C_2H_5.COOH$	— 22.0	140
Butyric ..	Rancid butter ..	$C_3H_7.COOH$	— 6.5	163
Valeric ..	Valerian	$C_4H_9.COOH$	— 19.0	186
Caproic ..	Cheese	$C_5H_{11}.COOH$	— 8.0	202
Heptic ..	—	$C_6H_{13}.COOH$	— 11.0	223
Caprylic ..	Coconut oil ..	$C_7H_{15}.COOH$	+ 16.5	237
Pelargonic ..	Geranium	$C_8H_{17}.COOH$	+ 13.0	254
Capric ..	Butter	$C_9H_{19}.COOH$	+ 31.3	268
Undecylic ..	Ore of nut	$C_{10}H_{21}.COOH$	+ 29.0	—
Lauric ..	Bayberries ..	$C_{11}H_{23}.COOH$	+ 43.6	225 (100 mm.)
Tridecyl ..	—	$C_{12}H_{25}.COOH$	+ 41.0	—
Myristic ..	Nutmegs	$C_{13}H_{27}.COOH$	+ 53.8	—
Pentadecyl ..	—	$C_{14}H_{29}.COOH$	51.0	—
Palmitic ..	Oils	$C_{15}H_{31}.COOH$	62.6	268 (100 mm.)
Margaric ..	—	$C_{16}H_{33}.COOH$	59.8	—
Stearic ..	Fats	$C_{17}H_{35}.COOH$	69.3	291 (100 mm.)
Arachidic ..	Pea-nut	$C_{19}H_{39}.COOH$	76.0	—
Behenic ..	Ben oil	$C_{21}H_{43}.COOH$	81.0	—
Cerotic ..	Wax	$C_{25}H_{51}.COOH$	78.0	—
Melissic ..	Beeswax	$C_{29}H_{59}.COOH$	90.0	—

Theobromic acid ($C_{83}H_{127}COOH$) from cocoa butter melts at 72° C., and is the fatty acid with the highest known molecular weight. The higher fatty acids occur in nature as glycerides (that is, esters of the trihydric alcohol, glycerol) in oils and fats, or esters of monohydric aliphatic alcohols in vegetable waxes. Oleic acid and linoleic acids are types of unsaturated fatty acids containing one and two double linkages (or

olefinic bonds) respectively. Oleic acid and stearic acid are commercial products used in pharmacy, the former being used in the preparation of metallic oleates and the latter in making vanishing creams. The lower fatty acids (notably acetic and formic acids) are also important chemical products. It has been proposed to use artificially made fatty acids with an uneven number of carbon atoms (e.g., margaric acid) in diabetic diets on the ground that these are not assimilated like natural even-numbered oleic, palmitic and stearic acids. The higher insoluble fatty acids spread (when liquid) over the surface of water to form monomolecular films with the acidic carboxyl group in contact with water. This phenomenon plays an important part in stabilising emulsions of oil in water, as fatty acid (or soap therefrom) forms a separating layer with paraffin oil one end in contact with oil and the other in water. This palisade orientation of molecules in vertical rows is responsible for the formation of polished surfaces with waxes, and plays an all-important part in lubrication with oils.

Fédération Internationale Pharmaceutique.—At the tenth International Congress of Pharmacy, held in Brussels in 1910, a resolution, introduced by the Dutch Society for the Advancement of Pharmacy, was adopted to the effect that all pharmaceutical associations, federations, and national societies should unite in forming one international body, to be known as the "Fédération Internationale Pharmaceutique." The object of the Fédération is to contribute actively to the advancement of pharmacy in all its aspects, practical as well as ethical, by promoting uniformity in education, legislation, formulas of official preparations, analytical methods, and in other subjects of material interest to members of the profession. The Fédération consists of honorary, ordinary, and corresponding members, and associates. Honorary members are: (1) Governments subsidising the Fédération; these are entitled to be represented on the Central Committee by a member having the right to vote. (2) National pharmaceutical societies, which are represented on the Central Committee by delegates, the number of the latter depending on the total membership of the society. Corresponding members are nominated by the Central Committee in countries not having a pharmaceutical association adhering to the Fédération, while associates are those persons, or societies, who wish to promote the aims of the Fédération; associates are nominated by the Central Committee, and while they may attend meetings they cannot vote. The Fédération derives its income from: (1) Government subsidies; (2) annual subscriptions payable by the national societies, amounting to 100 francs for each delegate having a seat on the Central Committee; (3) the annual subscription, viz., 20 francs, paid by associate members. The Fédération was definitely constituted at a meeting held on June 21, 1911, in the Audience Room of the Ministry of the Interior, The Hague. As at present constituted the Fédération includes twenty-four national pharmaceutical societies, represented by sixty-two delegates on the Central Committee, and forty-three associate members. The Bureau consists of: Professor Dr. L. van Itallie, President; MM. Barthet, Beguin, W. Haazen, and E. White, Vice-Presidents; Dr. J. J. Hofman, secretary-general; M. Poignant and Dr. A. Schamelhout, secretaries. The Pharmaceutical Society of Great Britain is represented on the Central Committee by eight delegates. Since its formation nine commissions have been appointed by the Fédération Internationale Pharmaceutique, which held its fourth general meeting in London in 1923. A full report of the proceedings of this meeting, including the reports of the commissions, was published in THE CHEMIST AND DRUGGIST, II, 1923, pp. 112 and 191.



"Builds Bonnie Babies."

Retail Price	Trade Price per Dozen	Cartons Contain
1/6	14/5 net	2 or 3 dozen
2/6	24/- net	1 or 2 dozen
4/6	43/2 net	1 or 2 dozen
7/6	72/- net	1 or 1 dozen

2½% extra discount on orders for cartons to value of £5 net; 5% extra on £10 orders. Carriage paid on orders to minimum value of 50/- net.

Mixed parcels of Glaxo, Glax-ovo, and/or Glaxo Malted Food, in original cartons, may be ordered to secure best terms.

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(HUMANISED)

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Prepared in accordance with the prescription of an eminent children's specialist.

Retail Price	Trade Price
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4/6 per tin	43/2 per dozen net

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Glaxo Malted Food

A valuable addition to Glaxo in the later stages of artificial feeding. Of the same high standard as Glaxo itself, and can be recommended with equal confidence.

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Glaxo Spare Feeder (8 oz. only)	1/- in carton	9/- per doz. net
Glaxo Teats (7 varieties)	4½d. each	3/4½ per doz. net
Nursling Teat	9d. each	6/9 per doz. net
Glaxo Valves	3½d. each	2/7½ per doz. net
Aluminium Food Measure	6d. each	4/6 per doz. net
Feeder Mop	4d. each	3/- per doz. net
Maternity Belt (2 sizes) - Not sent on Approval.	9/6 each	7/6 each net



Ostelin

(IN GLYCERINE)

Prepared by special process; patent applied for.

An Anti-Rachitic Extract of Cod-liver Oil, devoid of the characteristic taste and odour of the oil, from which it is obtained in a concentration of over 2,000 times that of the original source. Four drops of the glycerine suspension are equal in anti-rachitic potency to 1 fluid drachm of Cod-liver Oil. 45 doses in glass phial, 2/6. Trade Price 22/6 net per dozen phials. Terms for supplies in bulk on application.

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"Every Drop Sheer Nourishment."

A skilfully combined mixture of the all-important "Vitamin Concentrate" with the purest milk, malt extract and chocolate, suitably flavoured and sweetened.

Retail Price	Trade Price per Dozen	Cartons Contain
1/6	14/5 net	2 or 3 dozen
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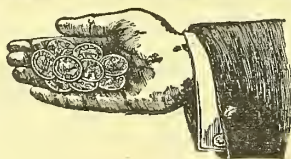
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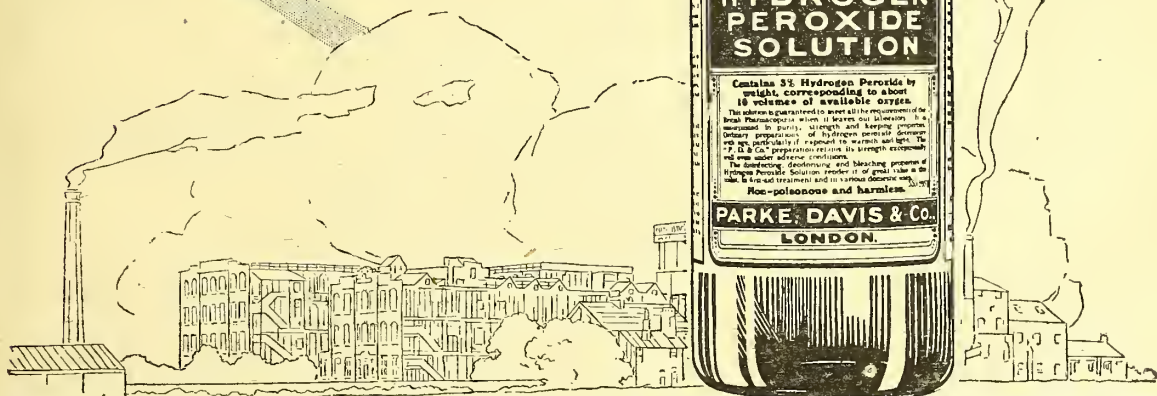
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EXAMPLE.

COSTS YOU.				
2 doz. 1/6 size at 13/6 doz.	...	£1	7	0
3 " 1/- " 9/- "	...	1	7	0
4 " 6½d. " 4/9 "	...	0	19	0
2 " 3d. " 2/- "	...	0	4	0
2 " 2d. " 1/6 "	...	0	3	0
Net cost		£4	0	0

Bonus 1 doz. 1/- size.

Net Profit £2 on outlay of £4.

SELLS FOR.				
2 doz. 1/6 size	...	...	...	£1 16 0
3 " 1/- "	...	...	...	1 16 0
4 " 6½d. "	...	...	...	1 6 0
2 " 3d. "	...	...	...	0 6 0
2 " 2d. "	...	...	...	0 4 0
				5 8 0
Bonus 1 doz. 1/- size				0 12 0
Sells for				£6 0 0

Send for our Illustrated Catalogue.

P. H. GALLOWAY, Ltd., *Qualified Chemists, Walworth, London, S.E.17.*

Licoricine

ACTS LIKE
MAGIC

for Coughs, Colds, &c.

is the best line of its kind for bringing

REPEATS

and it will repay you abundantly to give it

YOUR RECOMMENDATION

10½d. size, 8/6 per doz. net. 1/3 size, 12/- net.

3/- size, 27/- net.

£2 worth Carriage Paid.

£6 worth and upwards, subject to a 5% discount for cash in 30 days.

Minimum Retail Prices, 10½d., 1/3, and 3/-.

N.B. — This allows the Chemist a profit of nearly 33%, or 4d. in the 1/- on £6 lots.

MANDALL & CO., LTD.

17/23 Stepney Road,
NEWCASTLE-ON-TYNE.

The Improved FRU-JU'S

New manufacturing methods bring New Shape and better keeping qualities.

New and definite improvements in the manufacture of Fru-ju's are going to make them more popular than ever this year. Chemists everywhere will welcome these improvements, just as much as the many thousands of people who regard Fru-ju's as indispensable to health in springtime.

Fru-ju's are now made in a new standard oval shape, their quality has been greatly enhanced, and a special process has added to their keeping properties. Fru-ju's, this year, are better in every way, more beneficial in their effects, easier and more profitable to sell.

Write for particulars and trade terms to

F. W. HAMPSHIRE & CO., LTD.
Riverside Works, Derby.



POISONS and PHARMACY ACT.

Privy Council Order, Jan. 1, 1921.

DANGEROUS DRUGS ACT, 1920.

Regulations of May 20, 1921. (Operative Sept. 1, 1921.)

**Dr. J. Collis Browne's
CHLORODYNE**

is not affected by above Order or Regulations.

It does not require purchaser's signature.**Proprietors: J. T. DAVENPORT, Ltd., 83/87 Union Street, S.E.1.****Iglodine.**

Can you say "Yes" when IGLODINE is requested?

IGLODINE is being advertised. The unfailing effectiveness of its action is going to make trial purchasers into IGLODINE enthusiasts.

Every Chemist should be prepared to supply IGLODINE—a dependable antiseptic, quick-selling and profitable.

Write for fullest particulars and terms—

The IGLODINE Co., Ltd., Pilgrim St., Newcastle-on-Tyne.

**DUTCH
Sugar
of Milk.
"THE BEST"****HOLLANDSCHE
MELKSUIKERFABRIEK
Amsterdam****ESTABLISHED 1772
HENRY'S CALCINED MAGNESIA**

Continues to be prepared with scrupulous care, in the greatest chemical purity by

Messrs. THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester.

And is sold in Bottles, authenticated by a stamp bearing their name.

Trade Mark, "Henry's Calcined Magnesia."

New York: Messrs. SCHIEFFELIN & CO. William Street.

PRICE 2s 9d

Paris: Messrs. ROBERTS & CO. 5, Rue de la Paix.

BESORBON*(Dr. Hill's Formula)***MEDICINAL SNUFF. ABSOLUTELY THE
FINEST REMEDY FOR CATARRH & COLD
IN THE HEAD.****Richard Dickeson & Co.***(Incorporated with Reynolds, Sons & Co., Ltd.)***57-59 CHARTERHOUSE STREET, LONDON, E.C.1.**

TWO GUARANTEED LINES

OLIVE OIL B.P.

Virgin Imperial. Superfine Cream.

NEW SEASON'S OIL.

OUR first consignment of this Season's finest French Oil has just arrived.

For many years J.M.S. have had the reputation of offering a very high grade GUARANTEED PURE OLIVE OIL.

PARAFFINUM
LIQUIDUM B.P.

Medicinal. S.G. 890/5.

GUARANTEED SULPHUR FREE.

WE exercise scrupulous care with our supplies, and can recommend to our buyers with utmost confidence.

J.M.S. Standard Quality Oil is non-freezing, sulphur free and perfectly clear. We quote advantageously, higher or lower S.G.'s.

IF YOU WOULD
GIVE YOUR CUS-
TOMERS
ABSOLUTE
SATISFACTION,
OBTAIN YOUR
SUPPLIES FROM
J.M.S.

J. M. SMITH & CO. (London) Ltd.

HAMPTON CHEMICAL WORKS,
Arthur Street, Old Kent Road, LONDON, S.E.

WRITE FOR
SAMPLES AND
PRICES—
BOTTLES, TINS,
OR CASK LOTS.

The season is here when you will be asked to recommend something for RHEUMATISM, NEURITIS, LUMBAGO, SCIATICA, ETC.
Why not recommend

"BELTONA"

the wonderful new treatment (outward application) and earn the grateful thanks of your customers.

In addition to the above complaints, "BELTONA" will do more for RHEUMATOID ARTHRITIS than any other known remedy.

We are offering the following Display
Parcel to link up with our extensive
advertising campaign :—

1 dozen 3/- size	..	£1	7	0
$\frac{1}{2}$ " 5/- "	..	1	2	6
3×3 /- bottles bonus		-	-	-
		£2	9	6

Carriage Paid. $2\frac{1}{2}\%$ Discount, Cash with Order.

SEND TO-DAY TO

BELTONA LTD., High Street, Hoddesdon, Herts.

STOCKED BY ALL THE PRINCIPAL WHOLESALERS.

LABELLING OF POISONS ORDER, 1924

Booklet containing a List of
Proprietary Articles (in common
demand) with Proportion of
: Scheduled Poison :

Post free 6d.

EVANS GADD & CO., LTD., EXETER

A Three-Fold Profitable Demand— and growing

Sphagnol soaps and ointments are nature's own treatment for the skin. They are in strong demand by sufferers from all forms of skin trouble. Over 10,000 British doctors recommend them.

Sphagnol Shaving Soap has been described by the medical profession as incomparable for tender skin.

Ladies ask for Sphagnol toilet preparations which give real health and beauty to skin and hair.

Write for particulars and terms
of these Sphagnol preparations:—

Per cent. Strength	Per cent. Strength
Medical Soap .. 15	Toilet Cream .. 5
Toilet Soap .. 5	Lotion (non-greasy) 10
Shaving Soap .. 5	Shampoo .. 5
Ointment .. 10	Liquid .. 5
Suppositories .. 10	Powder .. 5

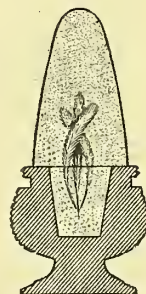
Also special Soap and Ointment for veterinary use.

Sphagnol

SOAPS. OINTMENTS, ETC.

PEAT PRODUCTS (SPHAGNOL) LTD.
Dept. C, 18-19 Queenhithe, Upper Thames St., E.C.4
108-46

S A Y



WON'T

BREAK

VINT'S

for

MENTHOLS

EVANS SONS LESCHER & WEBB LTD.

SALES BIGGER THAN EVER!

“SPUN” OINTMENTS

THE WORLD’S BEST

Send us your enquiries for bulk, or packed in decorated tins for counter sale.

Show Case for “Spun” Ointments supplied to Customers free of charge.

We are actual manufacturers of

CITRATE OF MAGNESIA AND SALINE

and shall be pleased to quote keen competitive prices for same.

ROBERT BLACKIE

Sole Manufacturer and Proprietor of World-Famed “SPUN” OINTMENTS

SHEN WORKS, TOWER BRIDGE ROAD, LONDON, S.E.1

Telephone : HOP 2415.

Telegrams : “USHENSPUNA,” LONDON.

*A High-class Pharmaceutical Preparation
for sale by Pharmacists only*

WESTON'S ‘STOP-COUGH’

MANUFACTURED BY QUALIFIED CHEMISTS
AND SOLD ONLY BY QUALIFIED CHEMISTS.
CAN BE RECOMMENDED WITH CONFIDENCE
:: AND CARRIES A GOOD PROFIT. ::

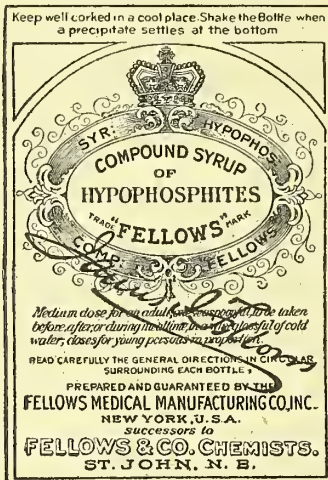
Send us a post-card for our Special Window Display Terms.

GRAFTON CHEMICAL CO., LIM'D.
59 GRAFTON STREET, MANCHESTER.

PHONE : CENTRAL 6914

Pharmacists will best serve their interests by selling the
FINEST PREPARATION OF ITS KIND MADE

Its
Composition
and
Efficacy
Guaranteed
by
'FELLOWS'



Profits
Guaranteed
by the
P. A. T. A.

PRICE: Large Bottle, 6/-; Small Bottle, 3/6.

FELLOWS MEDICAL MAN'F'G CO., INC., NEW YORK, N.Y., U.S.A.



HIGGOLENE

"Higgolene" is a preparation which, under its old name of Higginson's Herbalene Skin Ointment has for almost a century been looked upon in the Midland Counties particularly, as the one unfailing remedy for all troubles of the skin.

Under its new name and new get-up, but still made strictly according to the original formula, "Higgolene" is to be the object of a National Advertising Campaign which will make its unique qualities known throughout the Country.

It is to be sold at **1/3** per box.

May we send you samples and particulars of the advertising aid which will be available very shortly?

Sole Proprietors:

HIGGOLENE LIMITED,
Upper Bond Street, Hinckley.

Also manufacturers of "SPECIFENE" a really great specific for Blood Poisoning and Inflammation.

W.B.

WORTH A GUINEA A BOX.

Beecham's Pills

HOME PRICE LIST

Beecham's Pills:

1s. 3d. size	-	11s. 9d. per dozen
3s. 0d. "	-	28s. 0d. "
5s. 0d. "	-	54s. 0d. "

Less 2½% Cash Discount.

A further 5% allowed for Window
or other Advertising display.

Orders: Minimum quantity £5 value (Assorted sizes).

PACKAGES FREE. CARRIAGE PAID.

TERMS: CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM,
and crossed "Westminster Bank, Ltd., St. Helens."

THOMAS BEECHAM, ST. HELENS, LANCs.

(Proprietors: Beecham Estates and Pills, Ltd.)

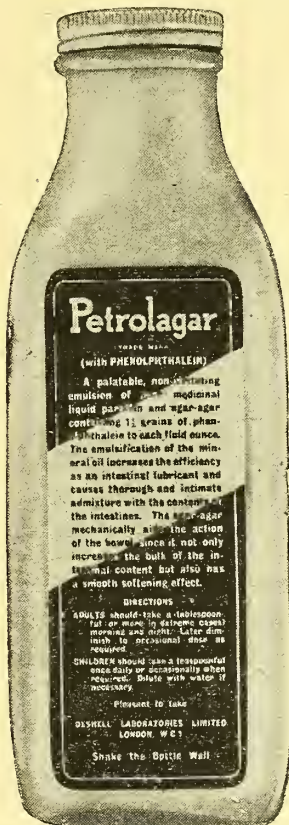
Petrolagar

(trade mark)

DESHELL

A Superior Product of BRITISH MANUFACTURE.

The palatable emulsion of pure medicinal oil and agar-agar
for the treatment of constipation.



16 oz. size

5/6

P.A.T.A.

8 oz. size

3/-

P.A.T.A.

Issued in Pound and Half-pound Sizes as follows:

No. 1 - PLAIN

No. 2 - PHENOLPHTHALEIN

No. 3 - ALKALINE

No. 4 - UNSWEETENED

The Principle of Lubrication and Bulk calls for the usage of Petrolagar Plain in all cases unless special considerations indicate one of the other forms.

MADE IN ENGLAND BY

**DESHELL LABORATORIES
LIMITED**

1-3 BRIXTON ROAD

-

LONDON, S.W.9

**ALTERATION
IN PRICES OF
DR. PARKER PRAY'S
MANICURE
PREPARATIONS** →

Make a List of these New Prices.

2/6 P.A.T.A.	ROSALINE...	...	...	...	Doz.	20/-
2/6 P.A.T.A.	DIAMOND NAIL ENAMEL	...	...	...	"	20/-
3/- P.A.T.A.	DIAMOND NAIL ENAMEL (Large)	...	...	...	"	27/-
2/6 P.A.T.A.	DIAMOND NAIL CAKE	...	...	...	"	20/-
2/6 P.A.T.A.	ONGOLINE	...	...	...	"	20/-
2/6 P.A.T.A.	LUSTROLA	...	...	...	"	20/-
1/6 P.A.T.A.	POCKET EMERY BOARDS	...	...	...	"	12/-
5/- P.A.T.A.	"OPALINE"	...	...	...	"	40/-

J. C. GAMBLE & CO., Ltd., 211-5 Blackfriars Rd., S.E.1

Telegraphic Address :
"Amphora, Leicester."

Nat. Tel.
Central 5218, 5219.

E. H. BUTLER & SON

Manufacturing Chemists & Wholesale Druggists
93 Humberstone Gate, LEICESTER

FOR

DRUGS
PACKED GOODS
PILLS & TABLETS
PROPRIETARIES

MOTOR DELIVERIES COVERING THE MIDLANDS.

PHARMACEUTICAL BOTANY.

5/-, by post 5/4.

VETERINARY COUNTER PRACTICE.

7/6, by post 8/-.

CHEMISTS' WINDOWS.

Price 3/6, by post 3/9.

THE CHEMIST AND DRUGGIST,
42 CANNON STREET, E.C.4



**SNOWFIRE
MORE
POPULAR
THAN
EVER!**

During the past season Snowfire has made thousands of new friends. More people than ever know there's nothing like it for chapped hands, rough skin and cracked lips, and for keeping the skin smooth and soft *all the year round*. Keep up your stocks of Snowfire—keep it well displayed and your sales will go on.

and your sales will go

Snowfire

TABLET

Here are some other equally popular Snowfire lines it will pay you to stock. There's a regular demand for them the whole year round :—

Snowfire Face Powder.
Snowfire Shampoo.
Snowfire Soap.
Snowfire Shaving Stick.
Snowfire Jelly.
Snowfire Talcum.
Snowfire Cream.

F. W. HAMPSHIRE & CO., LTD., Riverside Works, DERBY.

POISON REGISTERS.

5 x 5 $\frac{3}{4}$ { 500 Entries } 4/6 post free.
{ one on a page }

10 x 8 $\frac{1}{4}$ { 100 pp., 18 Entries } 5/- " "

Ditto 250 pp. 10/- " "

All D.D.A. Registers stocked.

JAMES TOWNSEND & SONS
EXETER.

London Office: 54, Farringdon St., E.C. 4.

PHOSFERINE

New Window Display Conditions

Monthly Account.Carriage Paid.

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6, on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

The above conditions apply only to the United Kingdom.

EXAMPLE.

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	....	£2 2 0	£2 12 6
2 " 3/- " at 30/- "	....	3 0 0	3 12 0
		5 2 0	
Less 10/6 for Window Show	....	10 6	
		£4 11 6	£6 4 6

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

WHOLESALE PRICES OF PHOSFERINE.Carriage Paid.Monthly Account.

1/3 size	....	12/- per doz. net.
3/- "	....	30/- " "
5/- "	....	48/6 " "
12/- "	....	114/- " "

PROTECTED PRICES.

Phosferine and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.4.

Telephone No.: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.



The sale of the following articles is now confined by law to Chemists.

BAY RUM & CANTHARIDES

A SPIRITUOUS PREPARATION WITH THE TRUE WEST INDIAN BOUQUET. ∴ ANTISEPTIC, CLEANSING AND AGREEABLE.

Style 1.	4-oz. Pillared Ovals	-	-	-	per doz.	6/-
„ 2.	2½-oz. Tobins	-	-	-	„	5/6
„ 2.	4-oz. Overton Panels or Pyramids	-	-	-	„	6/-
„ 2.	5-oz. Tobins	-	-	-	„	8/6

Handsome new 3-panelled screen with all orders for 15/-

JABORANDI HAIR WASH

FOR THE REMOVAL OF DANDRUFF AND TO ENCOURAGE THE GROWTH.

Style 1.	4-oz. Pillared Ovals	-	-	-	per doz.	6/-
„ 2.	4-oz. Overton Panels or Pyramids	-	-	-	„	6/-

ALSO

Bay Rum and Jaborandi	-	-	-	-	„	7/6
Rosemary and Cantharides	-	-	-	-	„	7/6
Eau de Quinine	-	-	-	-	„	10/-
Jaborandi and Quinine	-	-	-	-	„	8/6
Bay Rum & Cantharides Shampoo Powders	-	-	-	-	„	1/6

Name and address on 10/- of any one of these or on a minimum of 6 dozen packed goods.

ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND

THE CHEMIST AND DRUGGIST

42 CANNON ST.
LONDON E.C. 4

SUPPLEMENT

APRIL 10, 1926.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises to Let, Goods for Sale, and Agencies—6/- for 50 words; every additional 10 words or less, 6d.

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d.

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d.

Legal Notices, Tenders, Auctions, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column).

Miscellaneous (Wholesalers') Section for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less.

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/-.

BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

PAYMENT.

All advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3517 (3 lines).

Telegrams: "Chemists, Cannon, London" (2 words).

CLOSING FOR PRESS.

ALL ADVERTISEMENTS INTENDED FOR INSERTION IN THIS SUPPLEMENT

MUST REACH US
NOT LATER THAN

FIRST POST THURSDAY MORNING.

CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—LONDON, W. (Suburban).—Old-established Business, Retail and Dispensing; gross receipts average £2,000 yearly; net profit £600; Chartered Accountant's figures; well-appointed shop, fully stocked; rent moderate; held on lease. Further details on application.

2.—ESSEX.—General Retail and Photographic Business in growing district; returns, £20 to £25 weekly, with scope for large increase; modern double-fronted shop; good house and garden; long lease; on account of domestic reasons this business must be sold forthwith, and in order to do so Vendor will consider any offer within reason.

3.—HAMMERSMITH (Near).—Cash Retail Business, with N.H.I. Dispensing; returns, about £3,500 at usual prices; double-fronted shop, with good stock; rent, £50 per annum; price, £2,550.

4.—FINSBURY PARK.—Cash Retail Business; returns between £2,500 and £3,000 per annum at fair prices; scope for further development; comfortable residence with private entrance; books audited by Chartered Accountant; price £1,200, and value of stock.

5.—LONDON, S.W.—Middle-class Retail and Photographic Business; good opening for Panel Dispensing; returns last year, £1,115; net profit, £270; single-fronted shop, well fitted and stocked; large house; net rental at present £40 per annum; 19 years' lease; price, £750.

6.—LONDON.—Wholesale Manufacturing Druggists' Business; returns, £500 weekly; plant and stock estimated to be worth £5,000; new lease will be granted at a rental of £300 per annum; terms, goodwill £1,000, plus valuation.

7.—LONDON, E.C.—Cash Retail Business, with Kodak Agency; returns last year, £3,232; gross profit about 40 per cent.; well-fitted shop, fully stocked; lock-up pharmacy; held on long lease; price, about £2,750.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

8.—HOME COUNTY.—General Retail Business, with Branch, for disposal owing to ill-health; combined turnover, £3,500; total rent and rates about £100 per annum; 21 years' and 19 years' lease unexpired respectively; price, £1,700.

9.—ESSEX (Death Vacancy).—Old-established Business in thickly populated district; returns £1,000; scope to double; living accommodation; premises may be purchased or rented; further details on application.

10.—BOSTON (Near).—Very old-established Business; position unique; returns, £3,100 at fair prices; terms, goodwill and lease, £300; stock and fixtures at valuation; net profit last year about £700, practically under management; Vendor puts in very little time.

11.—WILTSHIRE.—General Retail Business, with Branch; combined turnover, about £2,200 at high rate of profit; living accommodation at main shop, where the rent is £40; other premises belong to the Vendor; price for immediate sale, to include property, £1,000, or near offer.

12.—LANCS.—Drug Store, with Kodak Agency; returns, £700 to £800 yearly; opening for N.H.I.; single-fronted shop, with good house, bathroom, etc.; rent about £45 per annum; price, £500.

13.—SOUTH WALES.—Cash Retail Business; established many years; returns, £1,000 per annum; gross profit £400; single-fronted shop, well fitted and stocked; teeming population; price, £450.

14.—LINCOLNSHIRE.—Mixed Country Retail Business, very old-established; returns for 1925, £3,500, at usual prices; well fitted shop, good stock; large house, yard; freehold must be purchased; terms, goodwill £600, plus stock and fixtures at valuation; property, £1,500, of which £1,000 can remain on mortgage; vendor retiring.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4

The Association of Mnfg. Chemists

— LIMITED —

Business Agency Transfer and Valuation Department,

Head Offices—Kimberley House, Holborn Viaduct, London,
E.C.1 (and at 2 Bixteth Street, Liverpool)
PARKIN S. BOUTH, Accountant and Valuer. Phone: City 1261-2-3

BUSINESSES FOR DISPOSAL

- 1.—LONDON, S.W.—Unique opportunity to acquire Cash Retail Dispensing Business, established over a century; centrally situated in busy shopping thoroughfare; lock-up shop, with store room above; lease 15 years at £100 p.a.; returns approximately £50 a week under management; good scope for increase under personal supervision; well fitted and good stock carried; price for quick sale, £2,000 or near offer. (38)
 - 2.—BIRKENHEAD.—Old established; fair house part; 10 years' lease, commencing rental £135; turnover £2,000 per annum; Dispensing and Homoeopathic; certified accounts can be produced; exceedingly well-appointed fixtures; the whole about £1,250; splendid situation in good-class locality. Full particulars on application. (49)
 - 3.—ESSEX.—Old-established Pharmacist's Business in densely-populated area; returns average £20 per week; good living accommodation and excellent scope for energetic proprietor; 3 years' lease, with option of purchasing leasehold property, with 68 years to run; rental 25s. per week exclusive; price for quick sale, £700.
 - 4.—DURHAM.—For immediate disposal, Chemist's, Grocer's, and Wine and Spirit Merchant's Business; offers entertained for business effects only, or to include premises; stock and fixtures approximately £450; full particulars on application. (42)
 - 5.—ESSEX.—£600 or near offer will secure good-class Suburban Cash Retail Business, with returns approximately £25 a week; good scope for increase; well fitted; stock value approximately £450; premises consist of large shop with 2 windows; good dwelling accommodation, with electric light and garden; lease 15½ years at £85 p.a. (41)
 - 6.—LANCS. (Seaside Resort).—High-class Perfumery and Toilet Business, established 10 years; single-fronted shop, good window; well fitted and enclosed; depth of shop, which is fitted throughout with oak, 40 ft.; good stock room, large yard at rear, with goods entrance; lease, 3 years; rental, £225 p.a.; returns average £40 p.w.; fullest investigation welcomed; further particulars on application. (43)
 - 7.—MIDDLESEX.—Offers invited for immediate purchase of small Drug Stores; lock-up shop, with room at rear; cellar accommodation and electric light; lease for 21 years will be granted at £100 p.a.; well fitted and good stock carried; returns, £10 per week; good scope for increase. (40)
 - 8.—POPULAR EAST COAST SEASIDE RESORT.—Excellent empty shop premises shortly available; eminently suitable for high-class Chemist's Business, situated in centre of best trading area within few doors of multiple shops; attractive modern double-fronted shop, frontage 18 ft., depth about 34 ft.; rent, £200 p.a. under lease 5 to 21 years at option of tenant; full particulars on application. (45)
 - 9.—DECEASED ESTATE.—Fine opportunity of acquiring three Retail Cash Dispensing Businesses situated in good position in S.W. London; held on good leases at reasonable rental; shops are excellently situated, well fitted, and good stocks carried; full particulars on application. (46)
 - 10.—DARLINGTON.—For immediate disposal, Retail Cash Pharmacy, established six years; returns, £17 per week; premises consist of lock-up shop and cellar at £70 p.a.; reasonable offer considered for quick sale. (39)
 - 11.—PRESTON (7 Miles From).—Old-established Drug Stores, in present hands 29 years; premises consist of double-fronted shop, 5 store rooms, and yard, with 6-roomed house adjoining; well fitted and excellent stock carried; returns average £18 per week; great scope for qualified man; price, including property, £2,200; further particulars on application. (37)
 - 12.—NORTHUMBERLAND.—Recently established Cash Pharmacy, with Kodak Agency; average takings £14 per week, which can be considerably increased by energetic, qualified man; lock-up shop, well fitted and stocked; rent 8s. weekly; price for quick sale, £650. (36)
 - 13.—LONDON, E.—Suburban Cash Drug Stores, affording good scope to qualified chemist; lock-up shop, nicely fitted, and good stock carried; held on weekly tenancy at £1 8s. 6d. per week; possibility of lease being obtained; returns approximately £18 p.w.; fullest particulars on application. (47)
 - 14.—YORKS.—Well-fitted double-fronted Shop and good living accommodation; three years' lease at £60 per annum; good scope for increase by qualified proprietor; goodwill, stock, fixtures and fittings, £320. (48)
 - 15.—LIVERPOOL.—Old-established high-class Dispensing and Family Business, with valuable Proprietary in connection therewith; returns over £2,000 at approximately 62% gross profit; premises are held on lease, of which 12 years is to run at a rental of £180 p.a., rising to £200, with possibility of renewal for further period. Full particulars will be sent on application. (51)
 - 16.—LIVERPOOL.—Toilet Manufacturing Business, with valuable trade mark; established 6½ years; returns average £1,250 a year; convenient premises with office accommodation, fitted with electric light and hot-water boiler; good workable stock; offers invited. (52)
- Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

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WILLIAM S. FISH.

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(one minute from St. Pancras and King's Cross Stations.)

- 1.—WORCS.—Unopposed high-class Family Retail and Dispensing; pleasantly situated; returns nearly £2,400, increasing; excellent house and garden; large pharmacy; well stocked; illness necessitates quick sale; price, £1,450; worth attention.
- 2.—MANCHESTER.—Light Suburban Drug Store; returns average £25 a week; splendid opening for N.H.I.; low rent; corner shop; well fitted and fully stocked; house attached; same family 29 years; price £875.
- 3.—LANCS.—Light Cash Retail, with Kodak Agency and N.H.I.; returns, £1,800; net profit, £400; audited accounts; good house; stock and fixtures worth £850; price, £980.
- 4.—LEICS.—Unopposed Mixed Country Retail, with small wholesale; returns £23 weekly; scope for increase; low rent; house attached; illness necessitates quick sale; price £550.
- 5.—LEEDS (Near).—Light Family Retail and Dispensing, with large Panel; returns over £1,650; net profit £480; nice house and garden; well-stocked pharmacy; price £800, or valuation terms arranged.
- 6.—BOURNEMOUTH (Near).—Good middle-class Light Retail, in prominent position; returns £1,850, increasing; good profits; lock-up shop; stock and fixtures worth about £1,100; price £1,450.
- 7.—WILTS.—Unopposed Light Retail, with Kodak Agency; no N.H.I.; returns, about £1,200 at good prices; low rent; 5 rooms, offices, etc.; handsomely fitted shop; good stock; price, £600.
- 8.—ESSEX.—Light Suburban Cash Retail and Photographic; returns, £25 a week; scope for increase; modern well fitted shop; well stocked; nice house; price for quick sale, £600.
- 9.—NORTH LONDON.—Old-established Light Retail, Prescribing and Kodak Agency; returns, over £2,700; good profits; audited books; main road position; plenty of scope; price £1,500.
- 10.—CAMDEN TOWN (Near).—Cash Drug and Photographic Store; same hands 20 years; returns, £20 a week; plenty of scope; main road position; low rent; stock worth £500; price, £750; recommended.

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Chemists' Valuer and Transfer Agent.

WALSALL (Near).—Good Dispensing and General; important N.H.I.; net profits round £500; splendid living accommodation; price, £800, includes goodwill, lease, stock and fixtures.

POTTERIES.—Good Business, with living accommodation, doing about £1,800; price, includes goodwill, stock and fixtures, £1,400.

SOUTH WALES.—Turnover, about £2,300; good house, with bath and electric light; goodwill, £250; stock at valuation.

CENTRAL WALES.—Good Country Business; no opposition; long lease; inclusive price, £1,250.

LONDON, S.W.—Good Middle-class Family and Dispensing; turnover, £1,450; N.H.I., 10,000 per annum; good living accommodation; long lease; rent, £80; price, £1,250, or offer. Reference "A."

LONDON, N.W.—Small Business, lock-up shop, in good residential part, ill health reason for selling; only opened short time; price, £450, or reasonable offer. Reference "B."

LONDON, N.—Turnover, £2,750 and 5,000 N.H.I. per annum; net profits, £550; audited accounts; good living accommodation; rent, £110 per annum, with let-off at 15s. per week; price, £1,600, or near offer. Reference "C."

LONDON, S.W.—Turnover £815; N.H.I. 1,200 per annum; lock-up shop; rent, 15s. weekly; inclusive price, £500. Reference "D."

LONDON, W.—Shop with four rooms, living accommodation; doing about £15 per week; good opportunity for newly-qualified man to introduce Dispensing, Optics, etc.; price, £550 or offer. Reference "E."

LONDON, W.—Small Business, with scope for Dispensing, Photography, etc., doing £1,400 at present; 21 years' lease; inclusive price, £550. Reference "F."

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Telephone: 774 and 1000.

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£900 RETURNS, near GLASGOW.—Very profitable Retail; rent low; for quick sale will accept £350.

£800 RETURNS, LANCS.—Light General Retail; capable of great increase; good position; price, £500.

£17 to £18 WEEKLY.—Good middle-class district, N.W.; no near opposition; price, £425.

£1,000 RETURNS.—Branch Retail in large Midland town, capable of much increase under personal attention; price, £550.

£8,000 RETURNS.—Market town, Yorks.; very old-established Retail, with Wines and Spirits, for sale solely through ill health; net profit, £1,379; price, including premises, £5,000. £1,000 can remain on mortgage; references required.

Number of Buyers with cash ready in most districts.
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Valuer, Transfer Agent and Stocktaker,

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LEEDS DISTRICT.—Etab. Pharmacies with good Panel at £950, £800 & £685. Also Drug Store in MIDDLESBRO; opportunity for chemist; low rent with or without house. Price £400

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

BOLTON.—Old-established Chemist's Business, returning over £1,350 yearly; well fitted; heavily stocked; main road, thickly-populated district; good living accommodation, electric light, etc. Vendor will grant lease for any term at easy rental, or sell property. Price, business only, £1,200, property £800, which is valuation; no good will asked; any amount of scope for live man. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. Phone, Failsworth 113.**CHESHIRE.**—Splendid Chemist's Business; lock-up; beautifully situated, nice district, corner position, well fitted and stocked, returning nearly £40 weekly, N.H.I. 500 montly; rent, £1 weekly clear; lease for any term; electric light; Kodak and Ucal Agencies; business can be developed further; accept £200 for goodwill and lease. Stock, etc., at valuation, approximately £1,200 everything. An opportunity seldom met with. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. Phone, Failsworth 113.**EAST KENT COAST.**—Genuine Business, doing nearly £2,000 per annum; all cash; compact, well-arranged shop, mahogany fixtures; good opening for N.H.I.; sound reasons for disposal; good living accommodation; freehold, vendor's own; can be purchased; full details on application to genuine buyers. 63/38, Office of this Paper.**ESSEX COAST.**—Genuine Business for Sale and Premises (good house and garden); net profits nearly £10 weekly; in a rapidly developing neighbourhood; owner must sell for health reasons; the initial cost two years ago was £3,000; will accept £3,200; practically valuation terms. Apply 63/8, Office of this Paper.**HAMPSHIRE.**—Well-established Business in country town; no opposition; good living accommodation; returns £700 to £800; a bargain to a quick buyer.—Apply Field & Palmer, 3 King's Road, Southsea.**HERTS.**—Chemist and Confectionery; 5 large rooms, scullery, and garden; good prospects; excellent position; lease; opening for N.H.I. and Photography; rent 18s. 6d. per week; price £650 or near offer. 63/7, Office of this Paper.**HULL.**—Cash Retail Business, on main road; busy district; good N.H.I.; turnover, £2,300; double-fronted shop, comfortable residence, bath (h. & c.), electric light, etc., private entrance; 10 years' lease will be granted. Further particulars on application. Allen, 112 Beverley Road, Hull.**LONDON, S.E.**—Good-class Business, established five months; returns now over £35 weekly; total for five months, £680; nice residential district; lock-up shop, low rent; Kodak Agency; will do £60 week next winter; price, £700; no agents; bargain. Apply 64/36, Office of this Paper.**LONDON, W.**—Well-fitted, up-to-date Light Retail and Photo. in good-class suburb; Kodak Agency; returns over £1,300, increasing; lock-up shop; long favourable lease; price about £1,000; owner, who has other interests, would accept part payment or entertain Partnership; letters only. Eeles, 75, Heathway, Dagenham, Essex.**MANCHESTER** (easy distance).—Successful old-established Chemist's Business; main road; double-fronted shop; heavily stocked; moderately fitted; electric light; Kodak Agency; returns, £50 weekly cash, excluding N.H.I. scripts (1,200 monthly, increasing). Price, with property (Vendor's own), £1,850; good living accommodation. Another, Manchester working-class district; returns, £18 weekly, excluding 500 N.H.I. scripts monthly; rent, £1 weekly, clear; lease, living accommodation; returns easily doubled; scope all branches; £600. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. Phone, Failsworth 113.**NEAR BOLTON.**—Splendid unopposed Business for Sale; turnover over £60 per week, exclusive of N.H.I. (300 per month); well fitted; stock £900; premises on lease, or can be bought outright; price for stock, fixtures and goodwill, £2,500; all inquiries must be accompanied by bankers' reference; no agents. 61/7, Office of this Paper.**NORTH-EAST COAST** (seaside resort).—Genuine Retail and Dispensing Business, with Kodak Agency; large, attractive shop in good main road position, well fitted and stocked; held on lease; returns average over £25 a week at excellent profits; expenses low; owing to ill-health a reasonable offer will be accepted, about £900, to effect an early sale. 64/30, Office of this Paper.**SALOP.**—Very old-established Family Business, with Kodak Agency, etc.; turnover October to September, 1925, £1,760, and this year increasing; easily worked single-handed; well fitted, heavily stocked; rent, £49 yearly and rates, good comfortable living accommodation attached, bath, etc.; working-class and residential district. Price, £1,350. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. Tel., Failsworth 113.**SCOTLAND (EAST).**—Wholesale Sundries, etc., Business for Sale; good steady connection, Border, East and North Country (especially Edinburgh and district); would suit one or two retailers forming limited company of £1,500; London or Glasgow wholesalers wishing to open branch; present proprietor (as manager or traveller) and staff willing to carry on; stock, fittings, and valuation goodwill, £150. Apply "Tight," 62/13, Office of this Paper.**SOUTHEAST, ESSEX.**—Light Cash Retail; main road; practically unopposed; been neglected; populous locality; scope N.H.I., Optics, Photography; lock-up room at rear, near accommodation; nicely fitted, up-to-date stock; books kept; 13 years' inclusive lease; for health reasons owner would sacrifice nearest offer to £430, trial allowed; only serious applications considered. "Sacrifice," 63/35, Office of this Paper.**SOUTH MIDLANDS.**—Genuine Business for Sale, with very good house attached, in good-class district; returns approaching £3,000 per annum; net profit over £700; fully stocked; nicely fitted; every investigation courted; ill-health cause of sale; price £1,700; lease granted, or option to purchase property. Genuine buyers apply, with bankers' references, to "Attention," 63/28, Office of this Paper.**SOUTH WALES.**—Well-established Pharmacy, central position in main business road, for immediate disposal; modern fixtures; well stocked; valuable Proprietaries; big trade in Optics and Photography, etc.; living accommodation; premises owner's own; particulars only on bankers' references. "Quercus," c/o British Drug Houses, Ltd., London; Southall Bros. & Barclay, Ltd., Birmingham.**WESTERN SUBURB.**—Old-established Business, Light Retail and Dispensing; average returns £2,000; net £600, accountant's figures; well fitted and stocked; lease 7 years to run at £40; living accommodation for single man only; no near opposition; price £1,500. Further particulars to cash buyers only. 63/22, Office of this Paper.**ESTABLISHED** Businesses at Rutherglen and Burnside belonging to the Stonelaw Pharmacy, Ltd., are for Sale. Full particulars from undersigned, with whom offers should be lodged for shops separately or together. The highest or any offer may not be accepted. Dempster, Brechin & Waddell, C.A., 34 West George Street, Glasgow.**EXTRAORDINARY** opportunity to Buy sound Business; present owner, 6 years, selling through ill-health; neglected by elderly Proprietor; returns, £1,500; rent, £28; living accommodation; trial could be arranged; price round about £700; great scope for increase. Apply Mrs. Lonsdale, 30 Claro Avenue, Leeds.

FOR Sale, Drug Stores in rising district of Essex town; established 15 months; now averaging £12 per week; no Dispensing done; shop, d.f., 4 rooms, scullery, bathroom; large garage and garden; good opening for qualified man; price, freehold, stock, fixtures and goodwill, £1,250. P.C.B. 8/2, Office of this Paper.

SUBURBAN, working-class; Kodak Agency; Optical recently started; books kept by qualified accountant; returns over £2,500; net profit £550 (last nine months at the rate of over £600 per annum); 10,000 N.H.I. prescriptions per annum; long lease; rent covered by sub-letting living accommodation; easily worked; reliable assistant willing to remain; valuation recently made; price £1,675. 61/5, Office of this Paper.

£325 OR near offer purchases unopposed Chemist's Business in attractive country district and developing neighbourhood on main road, 29 miles north of London; average yearly returns last three years £756; lock-up shop; held on lease at £26 per annum inclusive; Prescribing, N.H.I. and Kodak Agency. Apply 63/9, Office of this Paper.

BUSINESSES WANTED.

DESIRED to purchase good-class Retail Business; returns £3,000 or more; living accommodation and opening for Optics an advantage; cash waiting; Midlands or London preferred, but not essential; Managership with view to early succession might be entertained. 64/31, Office of this Paper.

REPUTABLE firm desires to take over entirely or take up an interest in an established business manufacturing a Proprietary Medicine; the proprietary should be already on the market and showing a profit. Replies to 61/10, Office of this Paper.

WANTED, good-class Business with turnover of £2,500 to £4,000 and living accommodation; London area or South; cash available. Fullest particulars (in strict confidence) to Starmer, 6 Linden Gardens, Tunbridge Wells.

WANTED, in or near London district, S.E. preferred, but not essential, Chemist's Business or Drug Store, suitable for qualified, with living accommodation, or would consider vacant premises. Please give fullest particulars, by letter only, to "Chemist," c/o Mr. Waite, 14 Sunnyside Street, Sydenham, S.E.26.

WANTED, Shop for business as small Drug Store, working-class neighbourhood; North preferred. Apply, 64/33, Office of this Paper.

WANTED, small and light Business (village or country town), Home county or within easy reach of London; no objection to East or South Coast; advertiser wants same as a means of occupation in semi-retirement; would lease or purchase freehold as desired. Apply 64/35, Office of this Paper.

PREMISES TO LET.

EXTENSIVE PREMISES TO LET, OLD FORD, E., alongside Canal,

Area 1½ acres, covered 44,000 ft. Rent £1,500. Suit chemical works, storage of timber, oil, etc.

LEOPOLD FARMER & SONS, Factory Specialists, 46 Gresham Street, Bank, E.C.2, and Kilburn, N.W.

EXTENSIVE PREMISES TO LET, STRATFORD,

77,000 ft.; rent £1,000; ranges of 1- and 2-storey buildings; well lighted; suitable for extensive businesses or warehouse.

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TO Let, attractive New Oak-fronted Shop in main thoroughfare, Cliftonville; suitable for high-class Chemist. Reeve, Agent, 265 Northdown Road, Margate.

PREMISES FOR SALE.

CHEMISTS.—The Shop and Premises of old-established Chemists for Sale with early possession; market town on main road; assured opportunity for Chemist. Apply "Chemist," Cox & Sons, 1 New Court, W.C.2.

SITES FOR SALE.

LAND, ADJOINING CANAL, OLD KENT ROAD, for Sale, about 1 acre. Valuable site for factory, chemical works, storage, etc. Price £7,000.

LEOPOLD FARMER & SONS, Factory Specialists, 46 Gresham Street, Bank, E.C.2, and Kilburn, N.W.

FOR SALE.

FOR Sale, Dental Outfit, 2-flask Vulcaniser and Gauge, Marbled Spittoon, two Basins (blue glass and brass), 50 g. N₂O Cylinder in mahogany box, Foot Lathe and Brushes, 12 Impression Trays, 6 G.M. Flasks, 16 Assorted Forceps, Clamp, Swagers, supply Compo. Rubbers, Files, Ripplers, etc., Aseptic Syringe; all in good condition; £20 the lot. Can be seen at 141 St. James's Street, Burnley.

3-GALLON Still and Condenser, perfect condition; Roberts' Patent Elf Bottle Filling Machine, with tinned copper tank with lid, foot lever and nipple, perfect condition; 4 gallons Ext. Glycyrrhizæ Liq. B.P.; 10 oz. Chrysarobinum P.B.; 1 cwt. Sodii Hyposulph.; 1 cwt. Sodii Sulphis. What offers? Apply O'Connor, Chemist, Westgate, Wexford.

SITUATIONS OPEN.

RETAIL.

[HOME.]

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BIRMINGHAM.—Assistant wanted about the beginning of May (male or female); used to quick Cash Retail, with N.H.I. and Photography; permanency. Please give full particulars, references, age, height, etc., with photo (to be returned). Vernon Thompson, Rexall Chemist, Sparkbrook, Birmingham.

BLACKPOOL.—Qualified Assistant Manager, preferably a Lancashire or Yorkshire man; must be industrious worker; interview essential; progressive salary; commence at once. Apply to A. S. Kent, Messrs. E. Gameson, Ltd., Photographic Chemists, Queen Street, Blackpool.

BRADFORD.—Qualified Assistant, with good Counter experience and knowledge of Photographic Sales, wanted at once; good-class business; salary to commence £4 weekly. State age, references, etc., to 65/3, Office of this Paper.

CAMBERWELL, S.E.—Outdoor Junior required till September; male; four mornings a week free if desired; good Photographic knowledge essential; no D. and P. Apply, giving salary required and usual particulars, 62/12, Office of this Paper.

CARDIFF.—Qualified Assistant wanted, working-class business; must be good Salesman; no Sunday duties; state height and salary and send photo, with references. Albert Hagon, Ltd., Cardiff.

COIDSTREAM.—Wanted, Assistant for summer months, possibly longer; must be capable in shop; would be required to call on farmers and attend markets to push the sale of sheep dip and other agricultural lines; must be a good Salesman. Give references, age, height, salary required, etc. W. E. Howden, Chemist, Coldstream.

EAST COAST.—Junior Assistant wanted for about six months for Dispensing, Retail and Photographic business. State age, height, salary (indoors or outdoors), when disengaged, and names of last employers. 64/39, Office of this Paper.

GERMAN HOSPITAL, LONDON, E.8.—Required, qualified part-time Assistant (ev. lady) for Out-patient work; Tuesday whole day, Monday, Friday afternoon 2-7 p.m. Applications, giving age, experience, references, salary required, to the Pharmacist.

HERNE BAY.—Unqualified Assistant, about 24, wanted for good-class business (April to October); duties, Retail Counter and Dispensing; knowledge of Photography essential. Apply, full particulars, photo if possible, Court, Chemist, Herne Bay.

LEICESTER.—Wanted, smart Junior Assistant, used to Dispensing, Window-dressing and Photographic Developing and Printing. State age, height, experience, and salary required; when disengaged. Porryan, Chemist, 75 Hinckley Road, Leicester.

LIVERPOOL.—Young qualified lady Assistant required; assist management of Pharmacy; quick Dispenser; some idea of Window-dressing and Display; good Counter Saleswoman. Reply, stating experience, salary required, enclosing photo (to be returned), Harold Lomax, Chemist, 43 Edge Lane, Liverpool.

LONDON.—Qualified Manager and qualified Assistants, view to managership, also unqualified lady Assistant. Apply in each case, giving full particulars, experience, stating age, salary required, and when at liberty. Apply 63/21, Office of this Paper.

LONDON.—Qualified Manager required immediately; splendid opening for a really smart man. State age and when at liberty in first letter. 65/36, Office of this Paper.

LONDON, E.—Qualified Assistant; must be accustomed to brisk Counter and N.H.I. business; some knowledge of Photography. State particulars and salary required to 56/22, Office of this Paper.

LONDON, N.—Smart Assistant, qualified preferred, wanted shortly for brisk N.H.I. Dispensing and general trade; honest, sober and industrious; permanency; also unqualified Assistant for quick trade. Apply, with full particulars as to salary required, and when at liberty, to 65/2, Office of this Paper.

LONDON, N.W.—Qualified Assistant for Dispensing business. Apply, giving full particulars; P. Davidson, Ph. Chemist, 342 High Road, Brondesbury, N.W.6.

LONDON, S.E.—Wanted, immediately, unqualified Junior Assistant (male); must have good Dispensing and Counter experience; age about 20 to 26. Apply, giving full particulars with salary required, to Hodges, 131 Rushey Green, Catford, S.E.6.

LONDON, S.W.—Experienced male Assistant, unqualified, required; good Counter and Dispensing experience essential, also Photography. State age, salary, references, and when at liberty. Apply P.C.B. 8/21, Office of this Paper.

LONDON, W.—Required, a keen, businesslike Assistant of good height, appearance, and address, who is capable at the Counter and acquainted with Photographics; permanent engagement. Messrs. W. V. Wright, Ltd., 25 Broadway, Hammersmith, W.6.

LONDON, W.2.—Required shortly qualified Manager, outdoors, age 28 to 40; smart appearance; good character and ability; West-End experience necessary. Also a well-educated youth or young lady as Apprentice. Send full particulars (no photos), 63/20, Office of this Paper.

MANCHESTER.—Wanted, immediately, capable Assistant (male or female); must be quick and accurate Dispenser, smart Counter-hand. State full particulars, age, height, experience and salary required; good references essential; photo if possible, to be returned. 60/13, Office of this Paper.

MANCHESTER.—Qualified Manager wanted for busy working-class branch; must be accustomed to brisk Counter trade and N.H.I. Dispensing. Apply personally or by letter, stating age, experience, and salary required, to Colmans, Ltd., 161 Bury New Road, Manchester.

NOTTINGHAM.—A. Middleton & Son want capable Assistant, qualified, single, April 26; Counter and Dispensing; quick middle-class business. State age, height, salary, enclose photo, full particulars of experience. Applications to be sent to 113 Glasgow Road, Paisley.

ST. MARY'S HOSPITAL, W.2.—Wanted, a Junior Assistant Dispenser (male); not over 30; Minor qualification; salary £180 per annum, with luncheon and tea; hours 9 to 5, but every fourth week 9 to 7, and Sunday 3 to 5. Applications, stating age and experience, and accompanied by not more than three testimonials, to be sent to the Dispenser.

SOUTH WALES.—Qualified Manager required for business doing £15 to £20 a week; can do much more; to an enterprising, steady man an interest of 50% of net profits is offered; small house attached. 65/361, Office of this Paper.

SOUTH WALES.—Qualified Manager, married, required for Light Retail business; good house. Please give full particulars in first letter, and state when at liberty and salary required; commission on profits offered. 65/360, Office of this Paper.

WEST-END.—Required, qualified man to take charge; good Dispenser; Salesman and Window-dresser, with knowledge of Photography. Apply by letter in first instance, stating height and salary required. Wilson, 19 Newton Road, Baywater, W.2.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

A QUALIFIED Manager, S.E. suburb, for small branch; £5; progressive; must be tactful, keen worker and Photographic Salesman. 63/15, Office of this Paper.

A DVERTISER is purchasing a business situate in the middle of a good business town in the North Midlands, and is anxious to get into touch with a first-class qualified man with a view to management; good salary and share of profits will be given to the right man, who must have enterprise and be able to show a good business record up to the present and of unimpeachable character. 65/363, Office of this Paper.

A SSISTANT wanted to manage Photographic Department; first-class references and experience essential; good permanent situation for capable and energetic man. Apply, stating salary wanted, age, height and experience, enclose references and photo, to the Oxford Drug Co., Ltd., High-class Chemists, Oxford.

A SSISTANT, qualified, age 25-35, as Cover; Light Retail; not on Panel, no Sunday or Bank Holiday duty; vacancy on 19th, district, W.1. Particulars, with view to interview, 63/14, Office of this Paper.

B OOTS THE CHEMISTS have vacancies for experienced qualified Retail Chemist Assistants. Apply by letter to Boots Pure Drug Co., Ltd., Retail Staff Department, Station Street, Nottingham.

C OMPETENT Junior or Improver (male), for Counter, stock and Photographic (D. & P.); temporary or permanent. Give full particulars, or call. Mullinger, Chemist, Harrow Road, Sudbury Town, Middlesex.

D ISPENSER wanted (lady or gentleman); must be thoroughly experienced and capable. Full particulars to Arnold Roberts & Co., Chemists, Acton, W.3.

G ENTLEMANLY Assistant; must be experienced in Dispensing, Photography, and Salesmanship. Salary, age, etc., to R. A. Evans, 110 Seven Sisters Road, N.7.

J UNIOR Assistant, unqualified, for mixed business in small country town; good all-round worker, abstainer, reliable. Apply, stating age, salary required, with references, to G. M. Perkins, Chemist, Knighton, Radnorshire.

J UNIOR Assistant wanted at once for branch at Brentwood, Essex. Apply, stating age, experience, salary expected, and photo (if possible), to T. Bellamy, Pharmaceutical Chemist, 2 Tindal Square, Chelmsford.

J UNIOR or Improver required; energetic, well-trained youth; accurate Dispenser; knowledge Photography. Boutalls, 150 Southampton Row, W.C.1.

J UNIOR Assistant for good-class Retail and Dispensing business. Please state age, height, experience and salary (outdoors) to Trimming & Co., Ltd., Alton, Hants.

L ADY Assistant for good-class suburban business near London and Epping Forest; chiefly Counter; smart appearance and pleasing manner essential. State experience in full and salary required. Matthews & Son, Chemists, 722 High Road, Leytonstone, Essex.

L ADY Dispenser required for Brondesbury district; Counter experience an advantage. Full particulars to 82/730, Office of this Paper.

L OCUM, qualified, male, for six to eight weeks, commencing July 5. 62/23, Office of this Paper.

L OCUM required from June 8 to June 26 inclusive. Apply, stating age, salary required, and reference, to Rhodes, Chemist, Heanor.

M ALE Dispenser required at once three nights per week for Doctor's Surgery in Bermondsey, one mile from London Bridge; good terms to reliable man. State age, experience, and when able to call for interview to 63/24, Office of this Paper.

M ANAGER for small branch near Birmingham; Light Retail and Dispensing. Please state age, height, experience, references, and salary. Bramleys, 87 Holyhead Road, Handsworth, Birmingham.

MANAGER required, age about 35, for Store Chemists; London suburb; must be energetic, good Window-dresser and Salesman, with knowledge of Photography. Full particulars to 82/729, Office of this Paper.

PHOTOGRAPHIC Chemist, qualified Manager; expedite. Full particulars, experience, salary, etc., to Lindsay's, Nethergate, Dundee.

QUALIFIED Assistant, single, for East Coast; small country town business (limited company). Apply 81/706, Office of this Paper.

QUALIFIED male Locum required for public institution for three weeks commencing July 12; Hospital experience essential; remuneration £5 10s. per week, with dinner and tea daily. Apply, by letter, to the Clerk, Union Offices, Leytonstone, E.11.

QUALIFIED Assistant required immediately; must be quick and accurate Dispenser and accustomed to good-class Counter trade. Give full particulars, age, height, experience and salary required, stating when at liberty, to Tyerman Sturdy, 69 Bootham, York.

QUALIFIED Locum required for one week, April 19-24 inclusive; highest references essential. Full particulars by letter, or 'phone (Romford 97), to Macartbys, Chemists, Romford.

QUALIFIED Assistant, lady or gentleman; some experience in Retail, Dispensing, Window-dressing and Photography sales. Write, stating age, height, salary and all usual particulars, Matthews, Ph.C., 6 Fortress Road, N.W.5.

QUALIFIED Manager wanted for April 19; medium-class business; N.H.I., Photographic and little Optics. State usual particulars and salary required. 82/728, Office of this Paper.

QUALIFIED Assistant, young, wanted; give full particulars; an interest in business will be offered to suitable applicant; outside London. Address 64/17, Office of this Paper.

QUALIFIED Manager required immediately; single; excellent prospects; state age and salary required. 65/362, Office of this Paper.

SMART Assistant required for good-class business; must be a competent Dispenser and Counterman, with thorough knowledge of Photography; good references essential. Apply, stating age, experience, and salary (outdoors), to W. F. Cole, 41 London Road N., Lowestoft.

THE services are required of a lady or gent. for Window Dressing and General Display; must have had experience, good ideas and ability for creating business-getting windows; near London; up-to-date premises. State age, salary required, etc., to 65/8, Office of this Paper.

VACANCY for a Qualified Chemist, single preferred, accurate and capable, for Dispensing and General Retail Pharmacy. Apply, stating references, experience and salary, to Barron, 158 Trafalgar Road, Greenwich, London.

WANTED, Assistant able to take charge occasionally; old-established business; Photographic Counter knowledge; no Sunday duty; permanency to suitable man. Apply, with references, salary required, etc., Stephen Taylor, 37 Cavendish Street, Barrow-in-Furness.

WANTED, qualified lady Chemist for Drug and Grocery business in Midland country village; business experience not essential; duties very light; no Sunday duty; half-holiday weekly. Please state salary, which must be small, and enclose photo if possible, to "Country," 62/21, Office of this Paper.

WANTED, qualified Assistant Dispenser (male), from 9 a.m. till 1 p.m. daily and Wednesdays till 6 p.m.; one accustomed to Hospital Dispensing preferred. Apply, stating age, experience, etc. to the Pharmacist, West London Hospital, Hammersmith Road, W.6.

WANTED, smart, reliable Assistant; Dispensing, Photographic, Agricultural. Give full particulars of experience, age, height, and salary required (outdoors). Letters not answered four days please consider declined. Gwillim, Chemist, Brecon.

WANTED, for South London, young qualified Assistant, used to N.H.I. Dispensing, good Salesman, and able to take charge. Apply, stating salary required and previous experience, 63/10, Office of this Paper.

YOUNG lady as Saleswoman for City Chemists; Store experience preferred. P.O.B. 8/22, Office of this Paper.

YOUNG, qualified Assistant required; good berth; easy hours. Full particulars to F. H. Long, 63 Holton Road, Barry, Glam.

WHOLESALE.

A PROGRESSIVE Lancashire House doing business with Chemists and Medical Men wishes to correspond with an enthusiastic Representative having an established connection amongst Doctors and Chemists in Yorkshire, Lancashire and the Potteries; to one who can show and prove results an interest in the firm on very easy terms will be given. Full particulars as to experience, age, present turnover, etc., to 62/22, Office of this Paper.

A N A1 Salesman wanted, who can provide evidence to prove his abilities, by Manufacturing Chemists; the ground is a good one, and the appointment is only suitable to an experienced business getter; it is essential to state your age, what you are selling, and how long you have been on the road. Wigglesworth, Ltd., Wethoughton, Lancs.

A N opportunity arises for a really intelligent Stock-keeper and Despatch Clerk with Wholesale House dealing chiefly in French Proprieties, Perfumery and Sundries; liberal salary and bonus to a man not afraid of work and with experience. Apply, stating age, to 64/3, Office of this Paper.

A SSISTANT Buyer in Drug Department of City Office; gentleman, about 22, familiar with merchant's office routine and correspondence, and who can type preferred; shorthand not necessary; commencing salary 50s. Particulars of experience and stating when disengaged to 82/721, Office of this Paper.

L IVE and energetic Salesman wanted to represent old-established Surgical and Druggists' Sundries House in London; good prospects for man who can show returns. Write fully (in confidence), stating remuneration expected. Apply P.C.B. 8/11, Office of this Paper.

LONDON Representative required at once for Perfumery, Toilets and Essential Oils; no interviews except by appointment. Write in first place, giving fullest particulars as to qualifications, experience, references and terms, to Spurway & Cie, Ltd., 89 Great Eastern Street, E.C.2.

LONDON Wholesale Druggists require a Junior Typist for Order Dept. Apply by letter, stating particulars and salary required, to 82/731, Office of this Paper.

MANCHESTER House requires qualified Working Manager to take charge of the Laboratory; must be energetic, a good organiser, well up in the manufacture of all Galenicals, and able to undertake the usual analyses and standardisations. Give full particulars of previous experience and state required salary. Apply, by letter, to "Competent," 82/722, Office of this Paper.

O PPORTUNITY for energetic Salesman to improve position. Person's Perfumery have vacancy for Representative, Northern England, including North Yorks. and North Lancs.; salary and commission to man of proved selling ability; car essential. Write Long Row, Nottingham.

R EPRESENTATIVE.—Experienced Representative required for Southern Counties; applicants must be of good address, well known to the Medical Profession, and fully competent to obtain interviews; highest credentials and personal references indispensable. Apply by letter, giving full particulars of qualifications, experience, age, and districts hitherto covered. 82/726, Office of this Paper.

T RAVELLER wanted to represent well-known Scotch house of Manufacturing Chemists and Wholesale Druggists; must have sound connection with Chemists, Doctors and Vets., covering part of Yorkshire and the Midlands. Apply, giving full particulars of age, experience, copies of references, and salary desired, to 82/724, Office of this Paper.

WELL-KNOWN firm owning valuable proprietary lines, Combs, Brushes, etc., offer liberal commission to well-established Representatives in following territories: 1, Northumberland and Durham; 2, Midlands; 3, West of England; 4, South Wales. Please give full particulars in confidence. 82/727, Office of this Paper.

SITUATIONS WANTED.

RETAIL.

[HOME.]

A.A.A.A.—**QUALIFIED**; age 41; height 5 ft. 8 in.; Manager; Dispensing and Counter Prescribing; Agricultural and Horticultural Chemistry with their particular analyses a speciality; experimental work for all trades also a speciality. 63/12, Office of this Paper.

A.A.—**QUALIFIED** Lady, 23, tall, first-class experience, desires change; London, preferably West End, or temporary post seaside. "M.", 105 St. Leonard's Road, S.W.14.

A. —PHARMACIST; experienced; middle-aged; active; capable; Locum or permanency. "Chemist," 47 Lowth Road, Denmark Hill, S.E.5.

A CAPABLE Assistant; unqualified; 32; good all-round experience; excellent references; disengaged shortly. "Aspirin," 15 Avenue Road, Hammersmith, W.

A CAPABLE, Unqualified Assistant (23), tall, desires post; Dispensing, Counter, Photographic, etc. London or suburbs preferred; disengaged end of April. Roberts, 5 Llanarth Villas, Cheltenham Road, Bristol.

A QUALIFIED man, tall, 31, single, desires position in high-class Pharmacy; all-round experience. Full particulars to 64/34, Office of this Paper.

A STUDENT, failed Part II, wants post for few weeks; age 22; 5 years' all-round experience; good appearance and address. "P.," 47 Little Heath, S.E.7.

A GAIN available for single-hand charge, emergency, relief; reliable, accurate Locum. "Dependable," 229 Sumner Road, Peckham, S.E.

A PPRENTICESHIP wanted by lady Dispenser (Hall) within 30-mile radius Chatham, Kent; would give services for small wage. Full particulars to 62/11, Office of this Paper.

AS a Locum; disengaged; qualified; highest trade, personal and bank references; 10 years' West-End experience. "Chemist," 276 Durnsford Road, Wimbledon Park, S.W.19.

AS Locum, Relief and Temporary or Cover; qualified; Kent or near preferred. Apply "M.," "Illincis," 1st Avenue, Gillingham, Kent.

ASSISTANT, 21; referred Pharmacy; good Counter and Dispensing experience; good references; Lancashire preferred. Chatterton, 83 Clifton Street, Lytham.

ASSISTANT; experienced Dispenser and Counterman; active; reliable; good references; middle-aged; unqualified. "Statim," c/o Mrs. Wilson, Stow, Lincoln.

ASSISTANT; unqualified; quick cash, Photographic, good Prescriber; excellent references. "Specs," Delta Villa, Penistone Road, Huddersfield.

ASSISTANT; whole or part-time (whole-time preferred); low salary; accurate Dispenser; good varied experience, including 16 years West End; excellent references; disengaged. "Salol," 390 Clapham Road, S.W.9.

ASSISTANT or Locum; country preferred; thoroughly experienced Manager; unregistered; good references. "Disengaged," 2 Sulina Road, Brixton Hill, S.W.

ASSISTANT, 22, referred Botany, 4 years' Retail experience, seeks position; Doctor or Chemist; London. Eveline Bradley, Brierholme, Stowmarket.

ASSISTANT, 23; Part I; 6 years' experience, Counter, Dispensing, Photography; season or permanency; salary moderate. "Victoria E. W.," 29 Western Road, Bexhill-on-Sea.

ASSISTANT (Part I); 6 years' good all-round experience; reliable, obliging, courteous; disengaged in May; London preferred. 64/16, Office of this Paper.

BUYER and Manager, qualified, 30 years' experience, desires similar responsible position; business builder; good personality; disengaged; will accept moderate salary and good commission on profits. "Chemist," 1 Blighmont Crescent, Southampton.

DISENGAGED; qualified; 20 years' West-End and South Coast experience (all-round man); 39; tall; married; good appearance; Manager, Assistant, Locum. Curran, 23 Marlborough Place, Brighton.

DISENGAGED 19th.—Pharmacist; male; experienced; Locum or permanency. "Pharmacist," c/o Dicks, 4 Portland Road, South Norwood, S.E.

DONCASTER (20-mile radius).—Gentleman desires position as Branch Manager, Superintendent; highest references. "Pharmacist," 51 Somerset Road, Doncaster.

EXPERIENCED Photographics, Counter and L.I.P. Dispensing; age 26; 6 ft. tall; smart appearance Edwin King, 35 Oakmead Road, Balham.

EXPERIENCED Locum (25); qualified. Muriel Price, Priesthills Road, Hinckley, Leicestershire.

IF you require an energetic, qualified man, age 22, first-class experience, Wholesale and Retail, write Whyeall, 75 Sneinton Boulevard, Nottingham.

JUNIOR Assistant (20), disengaged April 12 (after Part I Exam.), seeks position in high-class Pharmacy; City preferred or West-End; excellent references and experience. Gant, 41 Blakenham Road, S.W.17.

LADY Dispenser (Hall), 21, height 5 ft. 8 in., requires first position anywhere; preference given to North Kent, but not essential; no previous business experience; can commence at once. Particulars to 62/110, Office of this Paper.

LADY Dispenser (Hall) desires Locums for the summer months. Apply "L.," c/o Smith & Son, 12 South Street, Farnham, Surrey.

LADY Dispenser (Hall), experienced, requires post, part-time, in or near N. London; slight knowledge Bacteriology. "K. P.," 191 Isledon Road, Finsbury Park.

LADY Dispenser-Book-keeper requires post anywhere; Hall qualification; excellent experience, Hospital and Doctors; moderate salary. 65 Mayfair Avenue, Ilford, Essex.

LADY Dispenser (Hall Certificate) requires post with Doctor; 12 years' experience; excellent references; Willesden, Acton or Ealing districts preferred; whole, part-time, or Locum. 61/6, Office of this Paper.

LADY Dispenser, qualified, good experience, desires post; Locum or permanent; Doctors or Hospital preferred. 60/16, Office of this Paper.

LADY Dispenser (Hall Diploma), trained Nurse, desires engagement with Doctor or in Institution; London. Stubington, 83 East Dulwich Grove, S.E.22.

LADY (Hall) requires post with Doctor or Hospital as Dispenser and Book-keeper. "M. M.," 1 The Parade, West Norwood, S.E.27.

LOCUM; qualified; total abstainer; competent; reliable; free April 26 till June 28. Jones, 57 Brown Road, Walthamstow, Essex. 'Phone: North 1253.

LOCUM, season, part-time; middle-aged; good all-round experience; terms moderate; disengaged; references. "Locum," 2 Westwell Road, Streatham, S.W.16.

LOCUM; reliable; booking dates; entire charge; disengaged; Whitsuntide; moderate terms; inquiries invited; abstainer. "Pharmacist," c/o Evans Lescher Webb, Chemists, Liverpool.

LOCUM, experienced, with highest testimonials; disengaged. "M.P.S.," 22 Ellison Road, Barnes, S.W.

MANAGER; qualified; 39; height 5 ft. 9 in.; exceptional experience in Retail; just relinquishing, after 7 years, same post; splendid references; good at Window-dressing. 65/1, Office of this Paper.

M.P.S.—LADY (27), 8 years' good Dispensing and General Retail experience, requires position shortly. 63/39, Office of this Paper.

M.P.S.I. (31), open to engagement, London or suburbs; Locum, permanent, part-time; excellent London experience. Burke, 32 Stormont Road, Clapham Common, London.

NORTH OF ENGLAND.—Young Ph.C., 25, with 8½ years' experience, desires post, Assistant or Manager; splendid testimonials. C. Carr, 4 Front Street, Bellington, Northumberland.

PART-TIME or Locum; unqualified; wide experience; Dispensing, Counter, Photographic, Book-keeping. "A. B.," 37 Clayton Avenue, Wembley.

QUALIFIED, first-class experience, seeks engagement. Charles Adam, 31 The Vineyard, Richmond, Surrey.

QUALIFIED, young, desires temporary engagement for about three months; free any time. Thomas, Chemist, Aberdovey, Wales.

QUALIFIED, 30, slight war disablement, desires post, London, as Manager or Assistant. "M.P.S.," 160 Old Oak Road, East Acton, W.5.

QUALIFIED; Locum, whole, part-time; disengaged; used to West-End Store business; elderly; active; moderate salary. Warrington, 17 Hatherley Gardens, East Ham.

QUALIFIED (27); thoroughly experienced; Midlands preferred. "Statim," 26 Richmond Terrace, Clapham Road, S.W.8.

QUALIFIED (30); Manager, Senior, Locum; 13 years' London, provincial experience; married; Photography; good all-round experience; references; abstainer; used to quick N.E.I. cash business, "Aspirin," 19 Millais Road, Enfield.

QUALIFIED, 25, tall, disengaged, desires situation, London or suburbs; 8 years' experience; Dispensing, Retail and Photography. Howells, Ship Farm, St. Clears, S. Wales.

QUALIFIED (37), as Branch Manager; first-class London experience; Photographic; Locum entertained. "Aspirin," 63/18, Office of this Paper.

STUDENT (25) offers part-time; good varied experience; London essential. "Aspirin," 162 Clapham Road, S.W.9.

TEMPORARY or permanent; thoroughly experienced; excellent references; past 5 years in good Dispensing business; middle aged; unqualified; disengaged. Smith, 4 Brunswick Road, Kingston-on-Thames.

UNQUALIFIED Junior desires situation from now till September; excellent references. 61/35, Office of this Paper.

UNQUALIFIED Assistant, young, gentlemanly appearance, City and West-End experience, desires position; keen salesman. P.C.B. 8/14, Office of this Paper.

UNQUALIFIED, tall, twelve years' experience, Dispensing, Photographic and Counter, desires change. "Spring," 11 Cliffe Street, Nelson.

WEST RIDING.—Young qualified Manager desires change in May or June; energetic; capable; high-class experience in every branch of Pharmacy; tall; good appearance; splendid references. Reply 61/4, Office of this Paper.

WHOLESALE.

A CONSCIENTIOUS, hard-working Representative requires change of position; has more than trebled his returns within past five years, representing Proprietary House for six Northern Counties; excellent references. 64/27, Office of this Paper.

EXPERIENCED Representative in Drugs, Chemicals and Medical desires change; first-class references; fidelity policy. 52/34, Office of this Paper.

EXPERIENCED Representative, good personality and address (sound connection Lancashire, etc.), seeks engagement with enterprising Drug or Chemists' House. "Statim," 62 Bishop Street, Manchester, S.W.

REPRESENTATIVE, 31, married, address, appearance; 14 years' salesman, with connection Chemists and Professions, seeks progressive post; salary and expenses; London, Midlands, Yorkshire. 57/3, Office of this Paper.

REPRESENTATIVE, good connection Midlands, N. Wales, desires position with progressive firm; good references; own car; proof of turnover. 62/30, Office of this Paper.

REPRESENTATIVE (experienced), established and extensive connection, best-class Drug trade, Yorkshire, Lancashire and the North; Drugs, Sundries or Proprietary. Apply 62/18, Office of this Paper.

REPRESENTATIVE, 33, experience of Glass Bottle Trade, also Essences, will shortly be open for engagement; small capital available. P.C.B. 8/18, Office of this Paper.

REPRESENTATIVE.—Additional good Proprietary line wanted; Southern England; established connection. 64/5, Office of this Paper.

SALESMAN, (reliable), with sound connection amongst Wholesale and Retail Chemists and Grocers, requires post with first-class house for Ireland on salary, expenses and commission; excellent references. 60/14, Office of this Paper.

SALES Manager, Perfumery and Toilet, qualified, seeks position of responsibility, with scope for energy and enthusiasm; first-class organiser and salesman; thoroughly conversant with markets in Great Britain and well known to principal buyers; highest references. "London," 63/2, Office of this Paper.

SITUATION as Stock-keeper and Ledger Clerk; Chemical or Drug. "J. F.," 109 Kidd Street, Woolwich.

TRAVELLER, experienced, sound, established, extensive connection (Chemists, etc.), desires whole or part representation. "Mersey," 62/16, Office of this Paper.

TRAVELLER, with good connection (Chemists) in Lancashire, desires remunerative sideline. 64/10, Office of this Paper.

WORKS or Departmental Manager seeks position; practical Chemist, with special experience in manufacturing, producing and developing sales of Perfumery, Toilet lines, Soaps for home and export markets. "Thorough" (P.C.B. 8/20), Office of this Paper.

YORKSHIRE.—Keen, competent Salesman, married, requires engagement, Sundries, Perfumery, Foods; salary and expenses; 12 years' Chemists, Wholesale, Retail; connection Chemists, Medical; highest references; education. 57/300, Office of this Paper.

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SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.2.

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DENTAL EQUIPMENT (all kinds); condition immaterial. Bird, 3 Nicholson Road, Croydon.
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SECOND-HAND COPY "PHARMACEUTICAL FORMULAS." Price to 14 Sandbach Avenue, Fallowfield, Manchester.
GRANITE MORTAR, 3- or 4-gallon capacity. Write, stating price and other particulars, to 82/725, Office of this Paper.
REQUIRED SHORTLY (in London) full set Shop Rounds; four one-gallon, swan-necked Carboys, Counter and Dispensing Scales, with weights; all must be modern and in good condition. Send full particulars, also state where goods can be viewed. 63/200, Office of this Paper.

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